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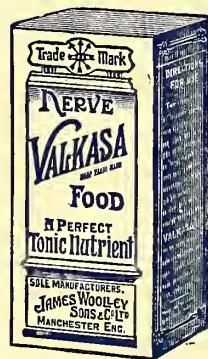
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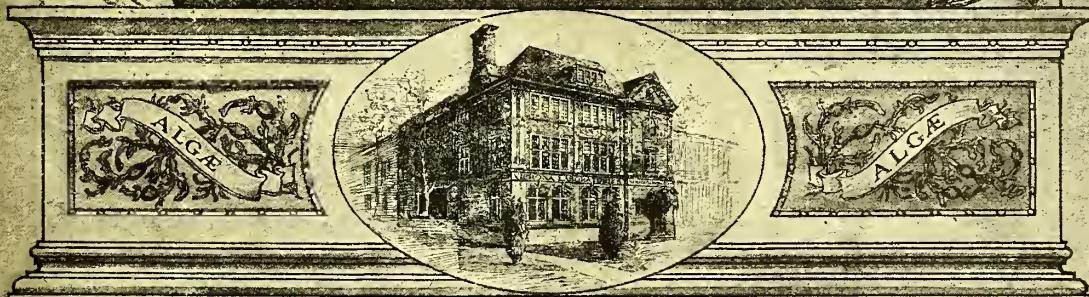


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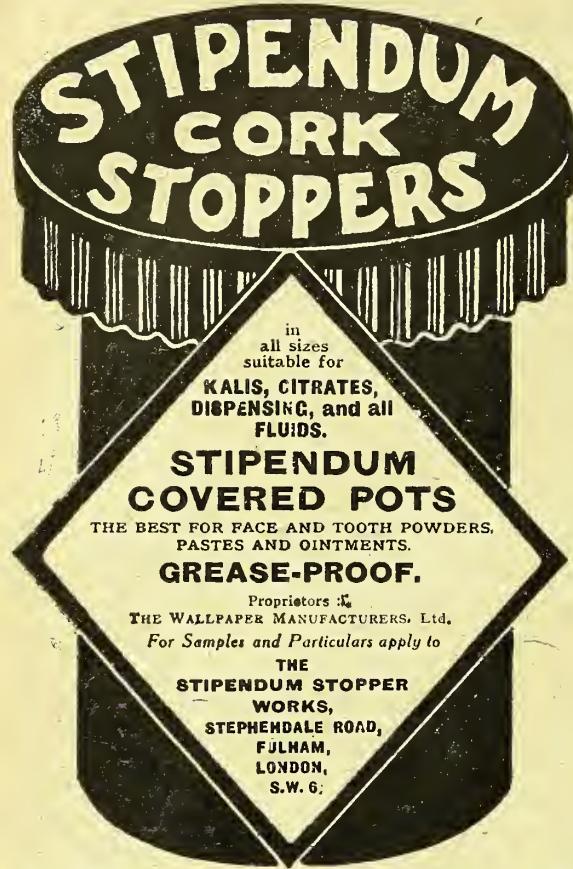
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**LESLIE GATES**  
HAILSHAM, SUSSEX.

Another New Speciality.—Try my TRANSPARENT SHEEPBAUDRUHE CAPPING SKINS.

ALSO GOLDBEATER'S SKIN FOR MEDICAL PURPOSES.

## ELEY BROTHERS, LIMITED

specialise in the manufacture of the following articles at the lowest prices :

## Shaving Stick Cases

## Oval and Round Tops

for Powder Tins, Cruets, Dredgers, etc.

## Metal Boxes

for Dentifrices, Soap Tablets, etc.

## Ferrules

for Walking Sticks, Whips, Bamboo Fittings, etc.

## Pencil Fittings

in any of the following metals : Brass, Copper or White metal (nickel or silver plated) Aluminium and Jewellers' Metal (Tombac).

During the continuance of the War we cannot undertake orders to make any of the above goods requiring one or more of the metals for their manufacture of which the use for commercial purposes has been prohibited by H.M. Government; but we invite inquiries, as we still have some articles in stock which were made before the prohibition was issued.

**ELEY BROTHERS, Ltd.**  
(Dept. 21), Edmonton, London, N.

No. 385.

March 1, 1919

**MAW'S****PAGE**

S M A W S O N & S O N S . L T D  
7/12 ALDERSGATE ST., LONDON, E.C. 1, ENGLAND.

# Getting into Civvies



There are big possibilities in the sale of

**MAW'S  
FORE-ARM LEVER  
WALKING STICK  
CRUTCH.**

Thousands of crippled heroes find in them an added joy in getting into "Civvies." Their satisfaction spells recommendation. It means new customers for the Crutch. Two qualities, 25/- and 33/- per pair.

is a time for the purchase of many personal requisites for health and the toilet. Maw's "Mufti" Page shows the profitable way to be of assistance to the demobilised men.

#### BODY BELTS.

All-wool slip-on pattern. A comfort for the fighter from warmer climates. Price 2/6 each.

#### BRUSHWARE.

Maw's "Limpet" One-hand Nail Brush is a most useful invention for one-armed men. The back of the brush is fitted with two rubber suckers which adhere firmly to the top of washing-bowl. No. 1 (Fibre) 18/- doz.; No. 2 (Black Bristle), 36/- doz.

#### DENTIFRICE.

"Parex" Dental Cream, In tubes, 10/- doz. The dentifrice *de luxe*.

"Parex" Liquid Dentifrice. In bottles, 10/- doz. Refreshing & anti-septic. Maw's "Big Four" Tooth Powders—Pink Carbolic, White Carbolic, Smokers', and Oxygen. In elegant tins, 5/3 dozen.

#### PAREX HAIR POMADE.

A splendid stimulant for the hair. In handsome containers, 20/- dozen.

#### RAZORS.

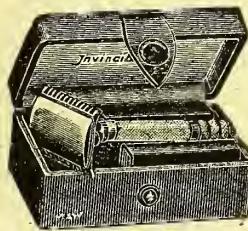
"Butler's Keen," B273/-B. Singly in card case. Black handles. No. 0, 48/-; Art, 5/6 each, Ivory handles, No. 1, 88/-.

#### STROPS.

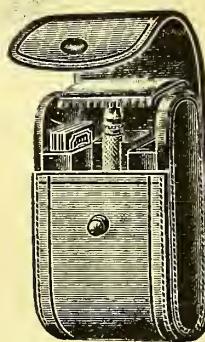
The "Keen," B2759/-B. Walnut handle, 2-sided, 54/- dozen. The "Rosebery," B2764/-B, 1/6 each. The "Tiger," B2767/-B, 2/9 each. The "One Minute," for safety blades, 6/- each.

"Getting into Civvies" means getting into the right money-spending mood. These Maw quality lines will ensure that the discharged soldier spends it in the right way—in your Pharmacy.

*Maw's Page is the topical page. Look for it every week. It's a good habit!*



Maw's "Invincible" Safety Razor (No. 3), In strong square case. Fitted with 12 blades. Price 7/6 each.



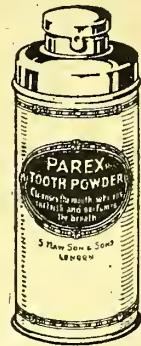
Maw's "Invincible" Safety Razor (No. 4) with 3 blades in case. Price 5/- each.



Maw's "Parex" Shaving Stick. In neat containers. Wonderful value. Price 8/- dozen.



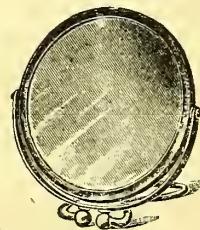
Shaving Brushes. A selection from 20/- to 120/- dozen.



Maw's "Parex" Tooth Powder. A favourite dentifrice, and fragrant. In sprinkler-top tins. 8/6 dozen.



Maw's "Parex" Talcum Powder. Carnation, White Rose and Violet. Ideal after-shaving. Price 9/6 dozen.



Shaving Mirrors. Similar to illustration. 15/- and 18/6 each.

HOURS OF BUSINESS, 8.30 a.m.—5.30 p.m. CLOSE AT 1 p.m. SATURDAYS

"Maw's—the House of the Moment."

# Sanatogen Trade Mark.



Referring to the application to the Registrar of Trade Marks, reported in the *Chemist and Druggist*, February 1, 1919 (page 46), we are informed that the Board of Trade have decided *not* to reinstate the words "Sanatogen" and "Formamint" on the Register of Trade Marks.

## LORIMER'S SANATOGEN & FORMAMINT

are *the* genuine articles and the most perfect of their kind. Moreover, they yield

**100% PROFIT TO THE RETAILER.**

PRICES CONTINUE AS UNDER:

SANATOGEN, 3/3 size	-	20/- per doz.
",       6/-    ",	-	36/-    ",
FORMAMINT TABLETS	-	15/-    ",

*All net cash with order, carriage paid.*

---

**JOHN LORIMER, 10 City Road, LONDON, E.C. 1.**



THIS CASE FILLED — READY FOR ANOTHER!  
WITHIN A FEW MINUTES ONE OF OUR

## COLLAPSIBLE FIBRE-BOARD BOXES

can be assembled, packed, and ready for consignment.

These improved cases are perfectly simple in construction—they are assembled as they are needed, very quickly and easily.

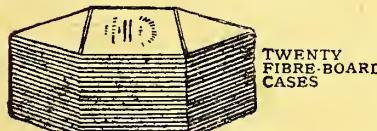
Delivered packed flat—a great saving of floor space to manufacturers.

The adoption of our Fibre-Board Boxes reduces your freightage bill almost one-half, for they are lighter than wood boxes but equally as strong.

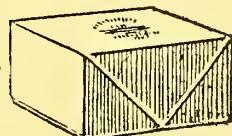
We have no stock sizes and no stock shape—the size you want is the size we make for you. We invite your inquiry.

## The GLOBE BOX Co.

Proprietors: Cartwright & Rattray, Ltd.  
**Boston Mills, HYDE.**



ONE  
FIBRE-BOARD  
CASE



## P.A.T.A. NOTICE.

113 Temple Chambers, E.C. 4.

The following prices will come in force as from the date of this issue:—

Advertised Price.		Minimum Retail Price.	Minimum Wholesale Price.
1/6	<b>Allenbury's Food</b>	1/6	13/6
	Measure	...}	
9d.	Izal Fluid, 4-oz. bots.	9d.	7/-
1/3	" 8 "	1/3	11/9
3/-	" 24 "	3/-	28/-
5/-	" 48 "	5/-	48/-
6d.	" Powder, 1-lb. tins	6d.	4/9
1/-	" 2 "	1/-	9/6
2/-	Toilet Soap,	2/-	18/-
	boxes	...}	doz. boxes.
7d.	Toilet Soap,	7d.	60/- gross 230/- cwt.
1/6	" Medical, 4-oz. bots.	1/6	14/6
2/6	" 8 "	2/6	24/-

OVER 100 % PROFIT  
ENSURED & PROTECTED (P.A.T.A.)  
for sellers of

## Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	
1/6	1/6	9/-	per doz.
2/6	2/6	15/-	less 5% discount.
3/6	3/6	21/-	

### SPECIAL BONUS

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz. 1/6 size, to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

**C. R. HARKER, STAGG & MORGAN,  
LTD.  
DEVON WHARF,**

Emmott Street, Mile End, London, E.1.



FOR

## Powder Puffs

OF EVERY KIND.

**SOLPORT BROTHERS  
LIMITED,**

Wholesale and Export Manufacturers of  
Druggists' Sundries and Toilet Accessories,

184 to 190 GOSWELL ROAD  
LONDON, E.C. 1.

## 'KO-TAL-KO'

CERTAIN IN RESULTS  
and  
CERTAIN IN SALES

### THE PUBLIC WANT IT

For strong advertising has taught them its merits, and practical experience has proven its claims. "KO-TAL-KO" is the strongest recommended hair preparation on the market, and this, in conjunction with my widespread publicity, is the best of all reasons why

### YOU SHOULD STOCK IT.

Apart from quick and ready sales my trade prices allow of a fair profit to you. "KO-TAL-KO" is always on the move, never cumbers the shelves long, and is a business asset of the highest value for your repeat orders are always warranted.

### IT PROFITS EVERYONE.

"KO-TAL-KO" does justice to me, to you and to the public, and every Chemist and Druggist should order a supply.

#### ORDERS AND DETAILS FROM

**J. Hart Brittain**  
(Dept. C.D. 2), Ltd.  
2 PERCY ST., LONDON, W.1.

RETAIL  
PRICE  
P.A.T.A.  
5/- Size  
12/6 ..

TRADE  
PRICE  
48/- per  
doz.  
112/6 ..

# Pride in Quality



There is a natural pride in handling an article that is the best of its kind.

That pride is greater when the article bears your own name and address.

Compare any brand of Aspirin tablets with Ayrton's. Note the whitest—that is Ayrton's. Note the one that is freeest from odour—that also is Ayrton's. Note the tablet that is most perfect in finish—Ayrton's again. In short, Ayrton's Tablets are the best of their kind, and they can bear your own name.

### **REDUCED PRICES** are :

25's	50's	100's	1000
5/11	10/7	19/- per dozen	13/4 per 1000
Less 2½ % Monthly Account.			

NAME AND ADDRESS ON SIX DOZEN

**Ayrton's have 8  
different Tablet  
Labels to choose  
from.**

*AYRTON, SAUNDERS & CO. LTD.  
LIVERPOOL*

*A point of profit*

PRICE'S  
**REGINA**  
SHAVING STICK

There's profit and prestige in "Regina." The profit on this widely advertised Shaving Stick is distinctly attractive. "Regina" sells readily and freely on its merits. May we send you details and free sample?

PRICE'S, Battersea, LONDON, S.W. 11.

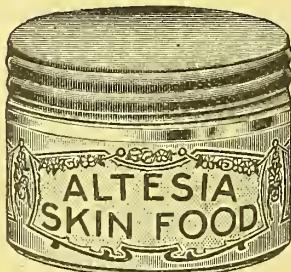


## TOOGOOD'S TOILET CREAMS



### Creme Altesia

A non-greasy Face Cream. Packed in 1-oz. Screw-capped Jars, each in Carton.  
7/- per doz.



### Altesia Skin Food

A greasy Skin Cream. Packed in 1½-oz. Flat Screw-capped Jars. 7/- per doz.

Manufactured only by

William Toogood, Ltd., 77 Southwark Street, London, S.E.1.

# HUGE ADVERTISING FOR VEN-YUSA SHAMPOO POWDERS



## PRICES :

**1/6 size :**

Containing seven  
3d. packets,

**13/6 dozen**

---

Carton containing  
6 doz. 3d. packets,  
**11/- each.**

5% Window-show allowance on a 50/- parcel  
(cash with order), or £5 parcel (credit terms).

Orders can be assorted with other lines.

---

## ORDER A SUPPLY NOW

FROM

## C. E. FULFORD, LTD.

### CARLTON HILL, LEEDS.

# Veldt Cream

LABEL-TITLE. COPYRIGHT

## The Inseparable, just Pourable, Vanishing SKIN FOOD

of Stearine base, combined with rare ingredients, imparting the natural whiteness and waxy softness of the water lily to  
**HANDS AND ARMS.**

Does not interfere with the sale of Face Creams, as it is something quite apart.

**Pays 45% on Monthly Bonus Terms.**

Retail	Size	Price	Free Bonus on quantities named, or pro rata,
5d.	1-oz. bottles	48/- gross	2 doz. 1/- with ea. gross
1/-	3-oz. "	9/6 doz.	2 " 1/- " 6 doz.
1/9	6-oz. "	16/- "	2 " 1/- " 4 "
2/9	12-oz. bath size bots.	27/- "	2 " 1/- " 2 "

### A vigorous Advertising Campaign in preparation

A set of five sale-compelling Showcards (including two reproductions from water-colours) and a 3/6 (retail) monster Showbottle FREE with each carriage-paid order to the value of £3.

Obtainable on bonus terms only from—

**THE VELDT LABORATORY, Louth, England,**  
or through our Special Agents,  
**AYRTON, SAUNDERS & CO., Ltd., LIVERPOOL.**



## STERNS LIMITED

A.D.5., Royal London House, Finsbury Sq., E.C. 2.

Telephone: 3797 LONDON WALL. Telegrams: "CENTUMVIR, PHONE, LONDON." (Four Lines.) (Two Words only.)

# LOVELY (A BRITISH SCIENTIFIC TRADITION) EYELASHES

Colourless, harmless eye ash f od. Beneficial to the eyes.

25 % on small orders, 33 1/3 % on Gross Lots.

## CURLASH CREAM

For a small show in your window:

OUR WINDOW-	SHOW OFFER	3 Doz. @ 1/-	... ...	£1 16 0
		9 Free ...	... ...	9 0
		Returns	... ...	£2 5 0
		Outlay	... ...	£1 7 0

With Dummies and Show cards. Carriage paid.

**NET PROFIT 66 2/4 % 18 0**

THE BALDWIN MFG. CO., Ltd., 95 Wigmore St., London, W. 1.

# "Strodonia"

VANISHING CREAM

For displaying a small showcard, we make the following offer on INITIAL DIRECT ORDERS (One parcel only):—

**1½ dozen 7½ d. selling for 11 3  
¾ " 1/- " 9 0**

For 10/- cash with order, carriage paid. **20 3**

**7½ d. and 1/- — 5/6 and 9/- per dozen.**

From London Wholesalers.

Direct Orders value £5 subject to 10% discount and 1 doz. 1/- size bonus for window display, showing 38% on Turnover.

**STRODE COSH & PENFOLD, Manufacturing Chemists, LOWER UNION ST., BRISTOL.**

## Free to Chemists

**W**ITH every cash order for one gross of **VIOLIV ICE** (36/- per gross—retail 4½ d.) we will add **THREE DOZEN** free of all charge.

The rapid popularity of this splendid remedy for Chapped Hands, Frostbite, etc., and the repeat orders we are daily receiving from Chemists in all parts of the Country, prove it to be one of the best and quickest selling lines on the market.

Attractively packed in coloured cartons, display showcards, etc., there is profit for you and satisfaction for your customers.

**PRICE PER GROSS, 36/- Carriage Paid.**

Send for a gross right away, enclose your cheque, and we will dispatch at once, adding to your orders the 3 dozen complimentary packets.

**THE VIOLIV MANUFACTURING CO.**  
26 Haymarket Terrace : EDINBURGH

# Perfumery of Distinction

PERFUMES of the highest distinction are instantly made at a third the cost of the average quintessence, by the mere addition of "Distol" Otto to S.V.R. and distilled water.

Retailed at "economical" prices, "Distol" perfumes yield twice the usual profit. Sold on a "quality" basis, the margin is tremendous.

"Distol" Ottos are made in thirty-four odours, to the standard dilution of 2 drs. to 1 pint of spirit. Their uniform cost is 6/- net per oz. Investigate our claims further by asking for samples of perfume made from "Distol" Ottos, naming six varieties.

**THOMAS KERFOOT & CO LTD**  
BARDSTLE VALE, LANCASHIRE,  
& Bardsley House, London, N.1  
ESTABLISHED 1767.

COPYRIGHT



# HALIFLOR

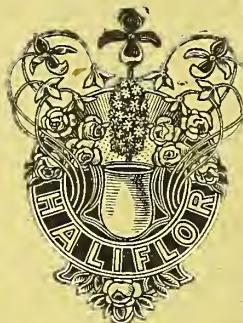
*Distillers of Natural Floral Extracts, Ground Essences, Soap Perfumes and Essential Oils.*

## PRICE LIST FOR

### HALIFLOR GROUND ESSENCES

For the preparation of Perfumes, and for perfuming Toilet Preparations.

A lasting natural Quadruple Perfume of highest concentration is obtained by mixing 1 part of Haliflor Ground Essence to 9 parts of pure Alcohol 80° (alcohol 80° is made by mixing 7 parts of distilled water to 40 parts of alcohol 95%).



	2 oz.	4 oz.	8 oz.	16 oz.		2 oz.	4 oz.	8 oz.	16 oz.
Mixed Blossoms	5/3	10/3	19/9	39/-	Rose	6/3	11/9	22/9	45/-
Eau de Cologne	4/6	8/6	16/3	32/-	Trefie	5/6	10/6	20/3	40/-
Ess Bouquet	4/6	8/6	16/3	32/-	Violet Parma	5/-	9/6	18/3	36/-
Lilac	5/-	9/3	17/9	35/-	" Haliflor	5/6	10/6	20/3	40/-
Heliotrope	4/6	8/6	16/3	32/-	White Rose	6/3	11/9	22/9	45/-
Jasmin	6/3	11/9	22/9	45/-	Sweet Pea	5/3	10/3	19/9	39/-
Jockey Club	5/-	9/3	17/9	35/-	Wallflower	5/-	9/3	17/9	35/-
Iris	5/-	9/6	18/3	36/-	Carnation	5/3	10/3	19/9	39/-
Lavender	5/3	10/3	19/9	39/-	*Eau de Quinine	4/-	7/3	13/9	27/-
Lily of the Valley (Green)	5/-	9/3	17/9	35/-	*Bay Rum	5/6	10/6	20/3	40/-
Neroli	6/9	12/-	25/3	50/-	*Eau de Toilet.	8/-	15/6	30/3	60/-
Opopanax	5/-	9/3	17/9	35/-					

\* We are prepared to advise and send Formula how to prepare these.

### HALIFLOR CONCENTRATED FLORAL ESSENCES, WATER SOLUBLE,

For the instantaneous production of Toilet Waters, Aqueous Perfumes, Shampoos, Hair Washes, etc., are ideal.

	2 oz.	4 oz.	8 oz.	16 oz.		2 oz.	4 oz.	8 oz.	16 oz.
Mixed Blossoms	6/3	11/9	22/9	45/-	Sweet Pea	6/-	11/3	21/9	43/-
Eau de Cologne	4/9	9/3	17/9	35/-	Musk	6/9	13/-	25/3	50/-
Ess Bouquet	4/9	9/3	17/9	35/-	Opopanax	5/6	10/6	20/3	40/-
Lilac	5/3	10/3	19/9	39/-	Trefie	6/3	11/9	22/9	45/-
Heliotrope	4/9	9/3	17/9	35/-	Violet Parma	5/6	10/6	20/3	40/-
Jasmin	6/9	13/-	25/3	50/-	" Haliflor	6 3	11/9	22/9	45/-
Jockey Club	5/3	10/3	19/9	39/-	White Rose	6/9	13/-	25/3	50/-
Iris	5/3	10/3	19/9	39/-	Carnation	6/3	11/9	22/9	45/-
Lavender	6/-	11/3	21/9	43/-	Wallflower	5/3	10/3	19/9	39/-
Lily of the Valley	5/3	10/3	19/9	39/-					

### STANDARDISED HALIFLOR PERFUME OILS FOR BRILLIANTINE. 1 oz. to a Gallon.

	2 oz.	4 oz.	8 oz.	16 oz.		2 oz.	4 oz.	8 oz.	16 oz.
Lilac	3/3	6/3	11/9	23/-	Opopanax	6/9	13/-	25/3	50/-
Heliotrope	3/3	6/3	11/9	23/-	Lily of the Valley	5/3	10/-	19/3	38/-
Jasmin	5/6	10/6	20/3	40/-	White Rose	4/9	9/3	17/9	35/-
Jockey Club	5/6	10/6	20/3	40/-	Wallflower	5/3	10/-	19/3	38/-
Sweet Pea	6/3	11/9	22/9	45/-					

### Alcohol Free.

### ONE-DROP NATURAL ESSENCE.

### Alcohol Free.

To be used with Glass-Stemmed One-Drop Bottles.

	2 oz.	4 oz.	8 oz.	16 oz.		2 oz.	4 oz.	8 oz.	16 oz.
Acacia	6/9	12/9	24/9	49/-	Violet	6/6	12/6	24/3	48/-
Lilac	6/3	12/-	23/3	40/-	Rose de France	6/9	13/-	25/3	50/-
Gardenia	6/9	12/9	24/9	49/-	Lily of the Valley	6/6	12/3	23/9	47/-
Carnation	6/6	12/6	24/3	48/-	Orange Blossom	6/9	12/9	24/9	49/-
Jasmin	6/9	12/9	24/9	49/-	Mignonette	6/9	13/-	25/3	50/-
Narcissus	6/9	12/9	24/9	49/-	Ylang Ylang	6/9	12/9	24/9	49/-
Orchidee	6/9	13/-	25/3	50/-	Heliotrope	6/6	12/-	23/3	46/-
Hyacinth	6/6	12/6	24/3	48/-	Sweet Pea	6/9	13/-	25/3	50/-

*Haliflor Floral Preparations are natural, delicate, true to odour, strong, lasting and cheap.*

ALL PACKAGES FREE.

ALL CARRIAGE PAID.

Terms: Cash with order for amounts up to £1, or may be obtained through all Wholesale Houses,

Samples on application from

**HERTZ & CO., All British Firm 9 Mincing Lane, London, E.C. 3.**

Established  
1878.

**WHOLESALE :**  
**10/-**  
Per  
Dozen Bottles.



**RETAIL :**  
**1/3**  
Per Bottle.

No. 896.

# "KLONDOL"

is an improved Cleansing Antiseptic of the Lysol Class, and is a really good, powerful, clean working and safe Disinfectant. It is being used in many of the principal Hospitals and Institutions. "Klondol" forms a transparent solution with water, and is of maximum bactericidal potency.

*INCLUDE "KLONDOL"  
ON YOUR NEXT ORDER.*

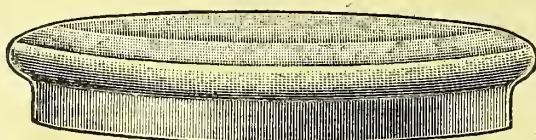
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Write for full particulars to

**EDWARD COOK & CO., LTD.,**  
**BOW, LONDON, E. 3.**

# Essential Oils & Crude Products for Confectioners.

M. GILBERT, VINCENNES,  
Near PARIS.



## CELLULOID CAPS

for Pots and Bottles.

F. W. DUROSE,

45 Queen Street, SMETHWICK, BIRMINGHAM.

Telegrams: "Durose Smethwick."

## SAFETY RAZOR SHARPENING

BY LATEST ELECTRICAL MACHINERY.

SEND US YOUR WORK.  
THE LIVER RAZOR CO., 77a DALE STREET, LIVERPOOL.

We guarantee a perfect edge on ANY blade, ANY make.

Trade terms: 6d. PER DOZEN net.

Blades returned same day as received.

## KUR-MANGE

BOXES OF 1 doz. 1/6 packets, 12/- per box. On P.A.T.A. list.

McDOUGALL BROS., Ltd., 66/68 PORT STREET, MANCHESTER.

THE CERTAIN REMEDY  
FOR  
PARASITIC MANGE  
IN  
HORSES, CATTLE, DOGS, &c.

## LOFTHOUSE & SALTMER, Ltd.

Wholesale and Export Drug Merchants,  
Manufacturing Chemists

### HULL.

INVITE the Trade to take up the following valuable  
P.A.T.A. Protected Lines, bearing a very large  
Protected Retail Profit, which sell freely and are  
well known and valued by the Public in many parts  
of the country.

P.A.T.A. Protected  
Retail Price. Dozen  
Net

\*LOSALL'S SALT (well advertised), tins 9d. 6/6  
\* " " " bottles in } 2/- 16/- cartons }

*\*Losall's Salt sells so well, surely it  
must pay Pharmacists to stock such  
a big profit-bearing protected line.*

### LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema.	Box. 2/-	Doz. 18/-
3 Tablets in a box for 8d.		

## GUARANTEED SACCHARIN TABLETS

Quantity.	½ grain.	¾ grain.	½ grain.
1 lb....	60/-	45/-	32/- per lb.
2 lbs.	58/-	44/-	30/- ,
5 lbs.	56/-	43/-	28/- ,
10,000	8/9	6/6	4 9 per 1,000
100,000	8/3	6/3	4/6 ,
100's, boxes	11/-	8/-	6/- per doz.

Cash with Order. Window Bills Free.

### HYGIENIC TEATS FREE.

With every order to the value of £5 we pack 6 Dozen  
Transparent Hygienic Teats as Bonus.

### SACCHARIN 550 PURE.

IN ORIGINAL CONTAINERS.

160/- per pound.

Any Quantity Post Paid.

WALTON, Chemist, BATLEY.

Retail  
Price  
1/-

No  
Cutting



# "ERASMIC" Shaving Stick

Does not dry on the face.

Owing to the enormous demand you are able to turn over your stock of "ERASMIC" three or four times as quickly as any other shaving soap.

**NO DEAD STOCK. NO MONEY LYING IDLE.**

We offer a good profit on a line for which there is a tremendous sale.

*Price List on Application.*

"ERASMIC" Perfumers, WARRINGTON.

# IT PAYS TO PUSH JOHN BOND'S "CRYSTAL PALACE" MARKING INK

**40%**  
Minimum Protected Profit



**40%**  
Minimum Protected Profit

6d. size, **3/7** per doz., Minimum protected selling price, 5d. 1/- size, **6/7** per doz., ditto **9d.**

This will show retailers a profit on the 6d. size of no less than 40 per cent. The rate of profit on the 1/- size will remain the same.

**MINIMUM ORDER AT WHOLESALE RATES:**—One Gross of 6d. size amounting to 38/- or assorted order to same value. 1/- size 69/- per Gross. Carriage paid on parcels of £5 and upwards. Smaller quantities should be ordered through any of the Wholesale Houses,

*When ordering, please specify if HEAT or NON-HEAT is required. A good assured minimum Profit on this Marking Ink which will always make new customers.*

Compare with what you are paying for other makes, and NOTE the difference.

Manufactory : 75 SOUTHGATE ROAD, LONDON, N. 1.

## JULES LANG & SON

WE HAVE LARGE STOCKS OF

## French & Japanese TOOTH BRUSHES

Small stock of Military Hair Brushes.

Samples will be sent on application.

Wholesale trade only supplied.

NOT Retail.

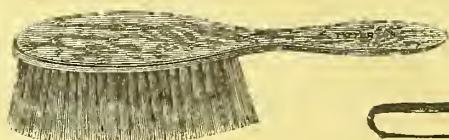
Charlton Works, Charlton Place

Telegrams: "Assorted, Nordo, London."

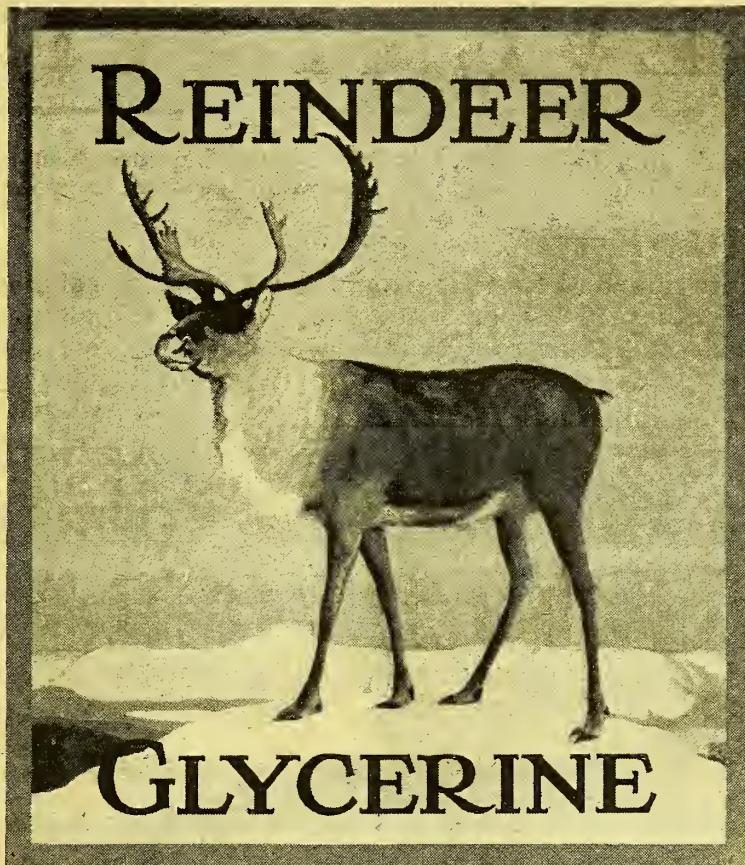
ISLINGTON, LONDON, N. 1.

Telephones: North 1344-5 (2 lines).

## Titterton's Celebrated TOILET Brushware



TITTERTON & HOWARD, Brush Manufacturers, 8 & 10 Great Titchfield St., London, W. 1.  
FACTORY: ALBION WORKS, DALSTON LANE, E. 8.



We would be honoured by your request for sample of Reindeer Chemically Pure Glycerine and particulars of our service.

CHRISTR. THOMAS & BROS., LTD

*Distillers of Reindeer Glycerine*

BROAD PLAIN, BRISTOL

*Established 1745*

# 7d. EVERY TIME

After you've made up a 1/- Mixture, with half-a-dozen impatient customers "kicking their heels," and others, seeing Pharmacy full, pass on to your neighbours'.

## Just think—

how much better it would be to have reliable remedies ready at hand for general complaints, such as Influenza, Neuralgia, Coughs, Fever, etc.

OWN NAME REMEDIES TO RETAIL, 1/3 ;  
8/- per doz. ; 95/- per gross ASSORTED CARRIAGE PAID

OR PACKED TO YOUR OWN FORMULÆ WITH  
OWN LABELS : : : : : : :

SHALL WE PACK YOURS ?

# QUICK SERVICE PAYS

CARMOL Ltd.  
*Manufacturing Chemists*

Washington Street  
BIRMINGHAM

# "LESCOL" FLORAL PERFUMES

## NOTICE

ON account of shortage of spirit and raw materials, Perfumes will be very scarce this year; but as we are holding a very fair stock at remunerative prices to our customers, we strongly advise them to send us their requirements at an early date, in order to avoid disappointment. On receipt of postcard, if possible, one of our representatives will call with samples when next in your vicinity, or we will forward you a complete price list.

We also hold good stocks of ESSENTIAL OILS at lowest market prices, & FLORAL OTTOS, FRUIT ESSENCES, CHEMICALS, &c.

---

**LESCOL PERFUMERY CO.** Lomond Grove, Camberwell Green,  
LONDON, S.E.5.

Telephone: 810 HOP. (Proprietors: The London Essence Co.) Telegrams: "VANILLIN, CAMBER, LONDON."

# TERPENELESS OILS

**BRITISH MADE.**

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the World.

**WE SPECIALISE IN TERPENELESS:**

**Anise (Anethol)**

**Bay**

**Bergamot**

**Caraway**

**Cassia**

**Cinnamon**

**Clove**

**Dill**



**Geranium**

**Ginger**

**Juniper Berry**

**Lavender**

**Lemon**

**Limes**

**Mandarin**

**Nutmeg**

**Orange**

**Peppermint**

**Petitgrain**

**Rosemary**



**CINNAMIC**

**ALDEHYDE**

**GERANIOL**

**CITRAL**

**EUCALYPTOL**



**HOLLANDS DISTILLERY, Ltd.**

**Lavington Street, Southwark, London, S.E. 1.**

A B C Code (5th Edition),  
Western Union.

Telegrams : "LANDSLOH LONDON,"  
Telephone : HOP 898.

**AMERICAN AGENTS—O. A. BROWN CO., INC., 99-101 Beekman St., New York.**  
**CANADIAN AGENTS—F. S. JARVIS & CO., 18 Toronto Street, Toronto.**

# FIELD'S "SIANARA" (Regd.) Toilet Soap

With the Enchanting Perfume of OLD JAPAN.

SUPPLIED IN STANDARD 4d. SIZE AND SHAPE.

ALSO IN

4d., 5d., 6d., and 7d. ROUND BATH.

WE CAN NOW GIVE IMMEDIATE DELIVERY, AND CAN ALSO SUPPLY A NEW GLASS "CHANGE DISH" ADVERTISEMENT FOR COUNTER, WITH ORDERS FOR ONE GROSS TABLETS.

**J. C. & J. FIELD, Ltd.,** Toilet Soap Experts. **LONDON, S.E.1.**

Telegrams: "OZOKERIT, PHONE, LONDON."

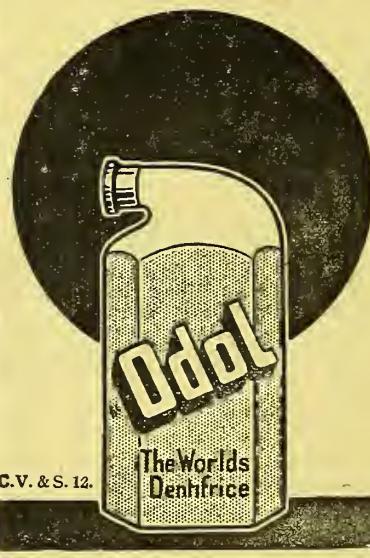
ESTABLISHED 1642.

Telephone: HOP 3905.

**SEMREH**  
SELF - FIXING  
SELF-FITTING  
BOTTLE CAPS  
*take the salute*  
as chief of the army  
of bottle cappings.  
Details from  
THE VISCOSE  
Development Co., Ltd.  
BROMLEY, KENT.

# BRITISH ODOL

Send for Price  
List and Trading  
Terms.



Revised Retail Prices.
Grand Double Flask
5/3
Full-size Bottle
3/-
Half-size Bottle
1/9

**'Ongard'** Guarded  
Coil Safety Pins  
RUST PROOF.  
For Surgical & Nursery Purposes.



SOLE MANUFACTURERS

GEORGE GOODMAN LTD.,  
BIRMINGHAM.

Stocked by JAMES L. HATRICK & CO., LTD.,  
78 St. John St., Clerkenwell Rd., LONDON, E.C. 1.

C.V. & S. 12.

ODOL  
Chemical Works,  
BERKHAMSTED.

**"Less than a drop  
is sufficient"**

Zenobia Condensed Perfumes are so highly concentrated that less than a drop is sufficient to give a lasting yet delicate fragrance.

But how can one apply "less than a drop?" By momentarily inverting the bottle and then lightly touching the article to be perfumed with the moistened stopper. The ordinary stopper found with Zenobia Condensed Perfumes is much more economical than the rod stopper, which applies more perfume than necessary.



The Retail Prices are 3/-, 6/- and 12/- per bottle.

Trade Prices are 27/-, 54/- and 108/- per dozen, less usual discount

## ZENOBLA CONDENSED PERFUMES

This explanation, given at the time of sale, will assist in establishing Zenobia Condensed Perfumes as favourites with the public. Besides being so economical, they have the true flower fragrance always associated with the name of Zenobia—a fragrance that is unequalled for purity and charm.

**ZENOBLA, Ltd.** Wholesale, Manufacturing and Export Perfumers, Loughborough, England.

## WE ADVISE YOU TO STOCK OUR "MOOVIT" CORN PENCILS

which are being extensively advertised. This continual advertising, proven merit, and satisfied customers, have created a steady demand. We furnish attractive showcard and window bills. Why not keep a supply and profit by the easy sales created?

Try a sample dozen 10/-; sells at 15/- which gives you a very handsome profit, and is on the P.A.T.A.

Cash with Order. All goods are carriage paid. The time to order is now, while you have the matter before you.

**TALBOT WILSON,  
20 HIGHGATE ROAD, LONDON, N.W.5**

## JOHN KNIGHT (LIMITED), "PROSPEROUS CONDITION" OF THE BUSINESS.

### PROFIT-SHARING AND LABOUR UNREST.

The annual ordinary general meeting of John Knight (Limited) was held yesterday at the Great Eastern Hotel, Liverpool Street, Mr. John Wilson Hope, C.B.E. (the Chairman and Managing Director) presiding.

The Secretary (Mr. Edward Newson) read the notice calling the meeting and the auditors' report.

The Chairman, at the outset, said that they met under much happier conditions than they did a year ago. He felt sure they had a desire to express their whole-hearted appreciation of the great services rendered to us by the King and Queen in most trying circumstances. (Hear, hear.) Nor could they forget the eminent leader (Mr. Lloyd George), who had by his energy and force of will steered the ship safely through the perilous seas of the past three years. He also paid a warm tribute to our Commander-in-Chief, our Admiral of the Fleet, and to the valour of the men of our Army and Navy, as well as to Marshal Foch.

The directors were able to present a balance-sheet which was again a record. In the absence of any untoward event they felt justified in hoping that the proposed increased rate of dividend would be maintained in the future. They would like the shareholders to look upon the extra 1 per cent. now being divided as a little souvenir of the centenary of the firm, which took place two years ago, but which they were not then in a position to celebrate. The company had to hand over a very considerable amount to the Government for Excess Profits duty. This they gladly did, recognising that extra profits made during the war should be dealt with in that manner.

### PROFIT-SHARING AND FOREIGN COMPETITION.

At the present time the country was in the throes of a labour unrest such as had not before been experienced, and he thought business men generally recognised that a great change must be effected in order to bring about a better relationship between employers and employees. This company had been profit-sharers, or co-partners, with its workpeople for over fifteen years, and the result of their paying an extra 1 per cent. dividend this year meant that all their comrades, in whatever rank of the business, would receive 4½ weeks' extra wages which represented their share in the profits.

The board ventured to suggest that this firm, which had already taken the lead in its particular industry in the creation of a reasonable profit-sharing scheme, should, by its example, demonstrate to other industries how they could, by co-ordinating the interests of the workers and employers, save the country from what must eventually be a state of perpetual dislocation of industry and a serious loss to all concerned. If they could attain their object there was little doubt that the industries of the country would, in future, be able to hold their own against all comers, notwithstanding the fact that we should have to meet keen competition, not only from the Continent of Europe, but from two of our Allies—viz., America and Japan. If industry would only make up its mind that its competitors were not in this country, but outside of the country, and that we must all unite in preserving our front against an intrusion of foreign manufactured goods, we should achieve our purpose. We must, however, be prepared to manufacture the foreign-made articles, so excluded, in this country. There was not, in his opinion, any reason or excuse for a manufactured article required in this country not being produced within the Empire. Thereby we should considerably increase employment, augment our number of shifts, reduce our cost of production, and have ample surpluses of goods to sell in competition with other countries for export abroad. He had occasionally heard people ask, "What about the consumer?" We must not, however, forget that quite 80 per cent. of the consumers in this country were producers in one sense or another, and while it would not do to neglect even the interests of the 20 per cent. who were non-producers, it should not be difficult to make such provision as was necessary to protect their interests. The high cost of living as compared with what it was before the war must be provided for, and this could be done if we went the right way about it.

### THE COMPANY'S PROSPECTS.

The company's business was never in a more healthy or prosperous condition than it was to-day. As indicated in his address in February 1917, they had now been able to start a 48-hour week, and they were also resuming this year what they started before the war, viz., a full week's holiday with full pay to every worker in the firm. This, of course, was in addition to the public holidays, which they had always enjoyed and been paid for. They were on the best of terms with all those employed in the business. The directors were as "keen as mustard," and, provided the Government would do their part in regard to the reasonable protection of our industries, he thought the shareholders might look forward to the business developing and increasing, leaving results which he trusted might be as satisfactory to the shareholders in the future as they had been in the past. In conclusion, he moved the adoption of the report and accounts.

The Deputy-Chairman (Mr. Samuel Barnett) seconded the motion, which was unanimously carried, and the proposed final dividend of 6 per cent. on the ordinary shares, making 9½ per cent. for the year, was approved.

Style P. 160/1  
without mirror  
per 6/6 dozen.

Style P. 160/2  
with mirror in lid  
per 7/6 dozen.

## POUDRE

### IMPERIA

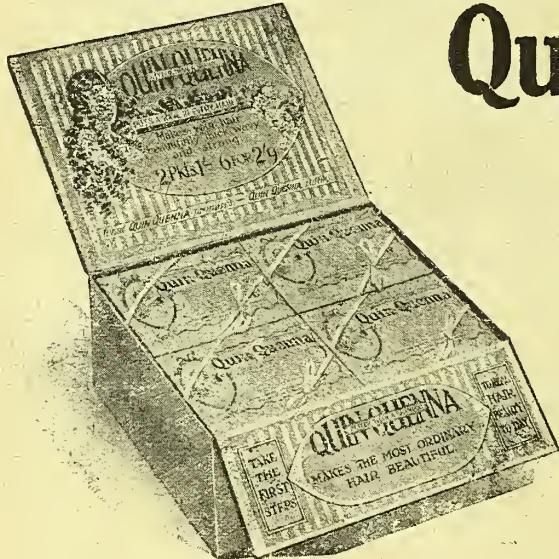
A solid, impalpable Face Powder, exquisitely perfumed in pocket case with puff, made in Rouge, Brunette & all shades



### COMPACTE

Packed in beautifully labelled silent salesman - outers. Private Brands made for the wholesale trade

**The EMPIRE PERFUMERY CO. (Cuxson, Gerrard & Co. Ltd., Proprietors) OLDBURY.**  
COLONIAL AND EXPORT INQUIRIES SPECIALIY INVITED



## Quin-Quenna

**QUIN-QUENNA ADVERTISEMENTS PERSISTENTLY APPEAR IN EVERY PAPER.**

THE DISCRIMINATING WOMAN BUYS, USES, AND WILL HAVE IT.

THIS CARTON AND ADVERTISING MATERIAL OUGHT TO BE SHOWN BY ALL DISCERNING CHEMISTS.

BESIDES, IT NETS WITH BONUS A P.A.T.A. PROFIT OF **43%**

**BOXED IN HALF-GROSS CARTONS  
WITH ONE DOZEN BONUS  
CARRIAGE PAID  
TO YOUR ADDRESS**

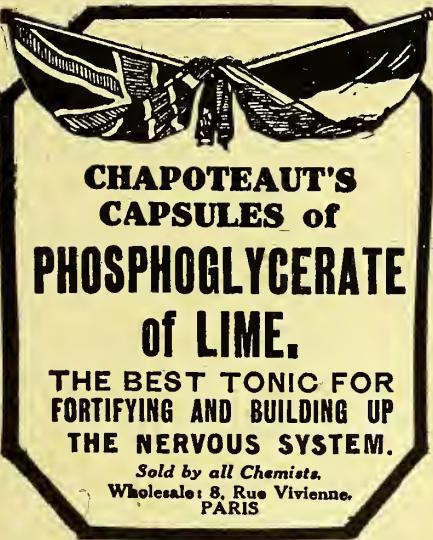
**CHRISTY'S OLD SWAN LANE, LONDON, E.C. 4.**

PUBLIC PRICE  
**6d.**  
EACH, P.A.T.A.

YOUR PRICE  
**4/-**  
PER DOZEN.

**LABORATORY  
OF GENERAL PHARMACOLOGY,  
8, Rue Vivienne, Paris.**

LONDON AGENTS :  
**WILCOX, JOZEAU & Co., 49, Haymarket, S. W.**



**MORRUOL CHAPOTEAUT**



**CAPSULES**

MORRUOL DE CHAPOTEAUT  
is extracted from cod-liver oil, and  
contains all its efficacious properties  
without the disagreeable taste.

*It cures Coughs, Bronchitis and Catarrh,  
restores the appetite, and gives force to  
feeble persons.*

SOLD BY ALL DRUGGISTS.

**CHANDRON'S  
DROPS**  
(Gouttes des Colonies)

A harmless antiseptic  
preventative against CHOLERA.  
FERMENTATION - INDIGESTION  
& other intestinal disturbances.

**SOLD BY ALL CHEMISTS**



I find the lotion exquisite and  
will be charmed to have it sold  
by my friends. Very sincerely  
Mary Garden

**PARFUM**

**MARY  
CARDEN**

**RIGAUD**

PARISIENNE  
16, RUE DE LA PAIX  
PARIS

LONDON AGENTS  
**HEPPELL & CO., 164, Piccadilly, W.**

# PETROLEUM JELLIES

White, Yellow, Amber and Red.

*For Pharmaceutical and General Purposes.*

AMERICAN SPIRITS OF TURPENTINE,  
OLIVE, CASTOR, COLZA OILS,  
ROSIN, and LUX BLOOMLESS MINERAL OILS.

James Arnott & Sons, Ltd.

Newcastle-on-Tyne and Cardiff.

# METHYLATED SPIRIT

OILS AND CHEMICALS.

Buy from one of the Oldest Houses in the Trade.  
Write for Prices. ESTABLISHED 1794.

SAMUEL THORNLEY, LTD., BIRMINGHAM

## EUCALYPTUS OIL (RECTIFIED).

Eucalyptol Content ... ... ... 70/80%  
Optical Rotation ... ... ... 0 to 1  
Specific Gravity ... ... ... .919 to .928  
Absolutely Free from Phellandrene.

Quotations by cable. Wholesale Trade only.

BURNSIDE & COMPANY  
Eucalyptus Oil Distillers,  
VICTORIA, AUSTRALIA.

New Postal Address—  
439 Flinders Lane, Melbourne.

Cables—"Burnside Company,  
Melbourne."

## PURE ESSENTIAL OIL OF HOP.

Singly and fractionally distilled.  
HIGHEST CONCENTRATION AND PURITY GUARANTEED.

Prices, samples and information  
from the distillers:—

WHITE, TOMKINS & COURAGE, LTD.  
HEAD OFFICE:  
48 Mark Lane, LONDON, E.C. 3,  
And at  
LIVERPOOL, BELFAST, BOSTON, and TANDRAECE.



PUT THE  
**Ker-nak**  
 BOY  
 IN YOUR WINDOW  
 NOW!

**EXPENSIVE MODEL LENT FREE.**

This beautifully coloured figure, standing 24 inches high, will be sent securely packed in crate, carriage paid, to every chemist purchasing **Ker-nak Pills to the value of 50/-**.

These will be supplied on the usual Window Show Terms of 5 per cent.

The only stipulation is that, after 2 weeks' show, the Ker-nak Boy must be sent to a new address which will be supplied.

**ORDER FORM.**

NAME .....

Address ..... Date .....

**To Messrs. C. E. Fulford, Ltd., Carlton Hill, Leeds.**

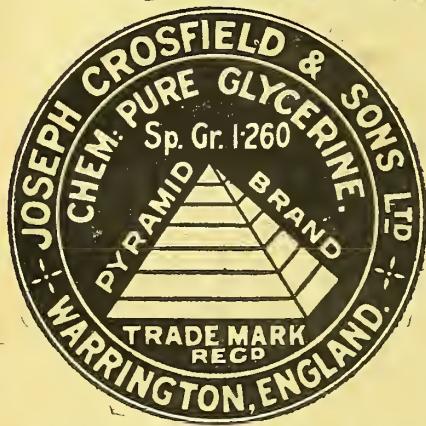
*Please send "Ker-nak Boy." I agree to give 2 weeks' window display, and forward the figure (carriage at your expense) to a new address which will be supplied. I enclose order which includes at least 50/- value of Ker-nak.*

*Yours truly,*

*Signature .....*

**PRICES OF KER-NAK:** 1/3 size, 12/6 doz.; 3/- size, 28/- doz. (Minimum Prices Face Value)

# CROSFIELDS' CHEMICALLY PURE GLYCERINE. PYRAMID BRAND.



The finest Glycerine obtainable for medicinal purposes. Absolutely pure. Guaranteed to stand all the tests of the British Pharmacopœia.

**IN 14lb. 28lb. & 56lb. TINS. (WOODEN CASES)**  
**1, 2½, 5 & 10 CWT. DRUMS. (RETURNABLE)**

**JOSEPH CROSFIELD & SONS LTD Chemical Manufrs. WARRINGTON.**



**1/- NO GLOSS. NO POLISH.**

On the P.A.T.A.

WRITE FOR TERMS, PATTERNS,  
ALSO LEAFLET OF TESTIMONIALS.

**"Luton" HAT DYE**

WHITAKER & CO., COLOUR WORKS,  
London, Depot: 60-62 Clerkenwell Road, E.C.  
"Glossy" Series supplied if desired.  
Special Non-Inflammable Series for Export. Est. 1878  
Telegraphic Address: "Dullette Kendal." Telephone No. 214.

Make your old Hat a new one.

In bottles, 1/- each, in separate nests containing, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

ANOTHER HOME ARTICLE OF GREAT UTILITY.

**"LUTON"**  
**Household**  
**Dyes**

**FOR HOME DYEING.**

All these colours will dye either Wool, Silk or Cotton, or mixture of these. No separate dye required for each material. Easy and clean to use. No acids or preparation required. Make home dyeing a matter of interest and pleasure.

A standard range of 12 Colours; other shades supplied.  
IN PACKETS, 2d., 3d. and 6d. each, and in Bulk.

Pattern Book. Write for Terms and Patterns.

**WHITAKER & CO., COLOUR WORKS,  
KENDAL, ENG.**

London Depot: 60-62 Clerkenwell Road, E.C.

Telegraphic Address: "Dullette Kendal." Telephone No. 214.

ESTABLISHED 1878.

Proprietors of the "Luton" Straw Hat Dyes.

**SAVE 3/- PER GALLON  
BY BUYING  
GUARANTEED GENUINE  
NEWFOUNDLAND NON-FREEZING  
MEDICINAL COD LIVER OIL  
OF NEW SEASON'S MAKE.**

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

**WHOLESALE ONLY.**

*Kindly write for sample to*

**JOB BROS., Manufacturers, Tower Building, LIVERPOOL.**

And of ST. JOHN'S, N.F.  
Telegraphic Address: "JOB LIVERPOOL."

Tel. 1039 CENTRAL.

Established 1780.

**LONABARS TRADING COMPANY**

LIMITED

**PURE SPANISH ESSENTIAL OILS**

ROSEMARY	SPIKE LAVENDER	GERANIUM
PENNYROYAL	THYME (Red & White)	SAGE
SWEET & BITTER FENNEL	ORANGE & LEMON	
ACONITE ROOT	LAVENDER FLOWERS	
GENTIAN ROOT	QUINCE SEEDS	

**THYMOL**

60 FORE STREET, LONDON, E.C. 2.

The BRADFORD WOOL EXTRACTING Co. Ltd.  
are ACTUAL MANUFACTURERS of

**PHENACETIN**



**SALICYLIC ACID**

Telephone No. 2638

PIT LANE MILLS, BRADFORD.

Teleg. "Production."

# USE COLLOIDAL DRUGS

CROOKES'

*All clinical reports confirm  
the superiority of Colloidal  
over molecular solutions.*



*are Colloidal Drugs, adopted  
by the medical profession  
and hospitals.*

## SPECIAL COLLOIDS.

### COLLOSOL ARGENTUM.

A non-toxic antiseptic, for all purposes, by topical application. Indicated in affections of the Throat, Ear, Nose and Eye—especially in Influenza. Also by internal administration, in diarrhoea and intestinal disorders.

### COLLOSOL SULPHUR BATHS.

Indicated in Rheumatism and skin affections. (See "British Medical Journal," 12th May, 1917.) These baths are more potent than any natural sulphur waters, contain no impurities, no free sulphuretted hydrogen, and do not injure the home bath.

### COLLOSOL IODINE.

(1) Aqueous. (2) Pasta. (3) Oil. (4) Ointment.  
Stainless and Non-irritant. Never causes iodism. Specially recommended by the Medical Profession, avoiding the disadvantages of Tincture of Iodine, and of Potassium Iodide.

### COLLOSOL FERROMALT.

An ideal food-tonic, containing the best principles of meat and malt, in combination with colloidal iron, in which form alone iron is perfectly assimilable and avoids constipation and digestive troubles.

### COLLOSOL SULPHUR OIL.

Specially prescribed for disorders of the scalp and loss of hair.

### DOUSHOL.

An entirely non-toxic and non-corrosive colloidal douche, which, unlike the powerful intra-uterine douches, increases epithelial activity. Antiseptic, pleasant in odour, and may be used *ad libitum*.

### COLLOSOL SUPPOSITORIES and PESSARIES.

Specially indicated in piles and leucorrhœa.  
Also Suppositories and Pessaries of Cocaine and Quinine for special purposes.

#### PRICES FULLY PROTECTED.

**Profit to Chemists 33½% on outlay, or 25% on returns.**

**SEND FOR PARTICULARS AND LITERATURE.**

COLLOSOLS are prepared for the Proprietors, Crookes' Collosols Ltd., at

**THE CROOKES' LABORATORIES,  
50 Elgin Crescent, LONDON, W. 11.**

# STOVAINE

**THE LEAST TOXIC OF LOCAL ANÆSTHETICS  
USED IN THE SAME WAY AND AS EFFICACIOUS AS COCAINE**

Does not create a habit and does not give rise to headaches, nausea, vertigo or syncope. :: :: *Literature on demand.*

**NO HOME OFFICE LICENSE REQUIRED**

Cheaper than Novocain and Benzocain and obtainable promptly in practically unlimited quantities from the manufacturers:

**LES ETABLISSEMENTS POULENC FRÈRES  
— 92, RUE VIEILLE DU TEMPLE, PARIS. —**

## MECHANICAL DENTISTRY

**Freeman Bros.**

WITHAM - HULL.

\*Phone—CENTRAL 1290.

**NO BRANCHES**

**High-Class Work  
at Moderate Prices**

Reliable Staff under Personal Supervision.  
Punctuality Guaranteed, & Best Materials.

The Mark of



**ELLIOTT OPTICAL CO.**

(Proprietor : GUY E. DRUIFF)

**104/5 Gt. Saffron Hill,  
LONDON, E.C. 1.**

# Vaseline

Trade Mark Registered

## PREPARATIONS.

Per Gross

Pomade, in 1 gross boxes, screw cap 35/11

" "  $\frac{1}{4}$  " " " 40/4

Per Doz

Perfumed White, Blue Seal .. .. 6/6

" " No. 1 .. .. 11/3

" " Glass Stopper 17/7

*Delicately perfumed, especially adapted for  
Toilet purposes and as a dressing for the hair.*

Chesebrough Manufacturing Co.,  
42 Holborn Viaduct, London, E.C. 1.

IT MAKES YOU FIT  
AND KEEPS YOU FIT



## The Value of "Vin-Sanguis"

is recognised by the private practitioner, the nurse and the Army doctor, as well as by the general public.

It is a blend of the choicest old mellow Wine with pure Meat Juice and Malt Extract.

Widely advertised and a ready seller: bearing a good profit to wholesaler and retailer.

Retailed at 2/9 and 5/- per bottle.

*Write for particulars.*

DR HALE'S  
**VIN-SANGUIS**  
WINE FOR THE BLOOD

TRANS-CONTINENTAL AGENCIES LTD.,  
Proprietors of Dr. Hale's "Vin-Sanguis" Co.,  
444 Strand, London, W.C. 2.

PIFCO INCANDESCENT FITTINGS COMPANY LIMITED

YOU CAN SELL THESE ALL THE YEAR ROUND

POCKET LAMP CASES from 4/- per doz.

REFILLS, 10/6 per doz.

CHEAPEST HOUSE IN THE TRADE.  
"PIFCO" HOUSE, HIGH STREET,

MANCHESTER.

ARTICLES OF DOMESTIC UTILITY:  
FLASH LAMPS,  
TORCH CASES,  
BULBS,  
BATTERIES and GAS MANTLES.  
LOWEST Trade Rates quoted.

TORCHES, 5' to 8½' from 9/- per doz.

LADIES' LAMPS (Nickel and Leather) from 10/- per doz.

WHEN REQUIRING  
**CORRUGATED PAPER**  
IN  
**ROLLS PIECES**  
OR  
**BOXES OF THIS MATERIAL**  
WRITE OR PHONE—  
**CECIL K. HEYWOOD,**  
24, 25 & 41 Avenue Chambers,  
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LARGE STOCKS. PROMPT DELIVERY.

# Influenza Rampant

**S**O serious has this disease become that it bids fair to be endemic. We learn on creditable authority that, during the last outbreak, the PULVERETTES of QUININE and CINNAMON proved to be a most excellent prophylactic and remedial agent in the treatment of the disease. We have a very substantial stock of these available, although we had an enormous demand during the last outbreak, and were obliged, on that occasion, to apologise for the delay in executing the multitude of orders that we were favoured with from our friends in the trade.

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THE PRESCRIBER—"The Stokes' Inhaler ought to prove invaluable in catarrhal conditions, and as a prophylactic against contagious diseases of the respiratory organs."

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# The Holoyd Page

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**ONE PENNY**  
(1/- per dozen)

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All OTHER SIZES will be **Reduced in Price** as follows:

Size	Trade	Retail	Size	Trade	Retail
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1. ...	<b>13/11</b> "	... <b>1/6</b> "	5. ...	<b>32/4</b> "	... <b>3/6</b> "
2. ...	<b>18/6</b> "	... <b>2/-</b> "	XX. ...	<b>34/8</b> "	... <b>3/9</b> "
3. ...	<b>23/1</b> "	... <b>2/6</b> "	Blue. ...	<b>34/8</b> "	... <b>3/9</b> "
4. ...	<b>25/5</b> "	... <b>2/9</b> "			

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will still retail at present prices, but the Trade prices will be reduced.

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Congress of Medicine, London, 1913.

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ESTABLISHED 1859.

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## Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

### Monday, March 3.

*Society of Chemical Industry, London Section, Burlington House, Piccadilly, W., at 8.30 P.M.* Adjourned discussion on "Refractometry and its Applications in Technical Analysis," followed by papers.

### Tuesday, March 4.

*Royal Society of Arts, Colonial Section.* Professor John C. McLennan, F.R.S., Ph.D., on "Science and Industry in Canada."

*North London Pharmacists' Association, Progressive Pharmacy Club, Arundel Hotel, Victoria Embankment, W.C., at 8.30 P.M.* Address by Mr. W. L. Currie, President of the Pharmaceutical Society.

### Wednesday, March 5.

*Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 12. Council meeting.*

### Thursday, March 6.

*Chemical Society, Burlington House, Piccadilly, London, W., at 8 P.M.* Lecture by Professor J. W. Nicholson.

### Friday, March 7.

*Royal Institution of Great Britain, Albemarle Street, London, W., at 5.30 P.M.* Professor H. C. H. Carpenter, F.R.S., on "The Hardening of Steel."

**HALIFAX CHEMISTS' ASSOCIATION.**—The annual dinner will be held at the Old Cock Hotel on March 13 at 6 P.M. Tickets (7s. 6d. each) from Mr. R. V. Sutcliffe, Hon. Secy., 64 King Cross, Halifax.

**PETERBOROUGH CHEMISTS' ASSOCIATION.**—The annual dinner will be held at the Angel Hotel on March 13 at 5.30 P.M. Tickets (8s. 6d. each) from Mr. Chas. Hameon, 46 Cowgate, Peterborough.

## English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

### The British Pharmacopoeia, 1914.

At its meeting on February 24, the Executive Committee of the General Medical Council considered the advisability of withdrawing the temporary alterations in the British Pharmacopoeia, published in the "Gazettes" of July 27, 1917, and March 29, 1918, arising out of the scarcity during the war of sugar, glycerin, and certain oils and fats, and adopted the following resolution:

"That the Executive Committee, on behalf of the Council, order and direct that on and after April 30, 1919, the British Pharmacopoeia, 1914, shall be altered and amended by revoking and withdrawing the alterations and amendments made and published in the "Gazettes" of July 27, 1917, and March 29, 1918; and that formal intimation of such revocation and withdrawal be published, according to law, in the "Gazettes" of London, Edinburgh, and Dublin on April 30, 1919."

### Importation of Dyes.

The "London Gazette," February 25, contains a Proclamation (dated February 24) made under Section 43 of the Customs Consolidation Act, 1876, as follows:

As from and after the date hereof, subject as hereinafter provided, the importation into the United Kingdom of the following articles is hereby prohibited, viz.:

All derivatives of coal tar generally known as intermediate products capable of being used or adapted for use as dyestuffs, or of being modified or further manufactured into dyestuffs.

All direct cotton colours, all union colours, all acid wool colours, all chrome and mordant colours, all alizarine colours, all basic colours, all sulphide colours, all vat colours (including synthetic indigo), all oil, spirit, and wax colours, all lake colours, and any other synthetic colours, dyes, stains, colour acids, colour bases, colour lakes, leuco acids, leuco bases, whether in paste, powder, solution, or any other form.

Provided always, and it is hereby declared, that this prohibition shall not apply to any such goods which are imported under licence given by or on behalf of the Board of Trade, and subject to the provisions and conditions of such licence.

This Proclamation may be cited as the Prohibition of Import (No. 28) Proclamation, 1919.

For the present a general licence has been given for the import of all dyes and other products covered by the prohibition which are of *bona fide* French, American, or Swiss origin. The licences will be issued on the recommendation of the Trade and Licensing Committee, Dyes Department, Board of Trade, 6 Whitehall Gardens, London, S.W. 1. An office is also to be opened in Manchester.

### The Influenza Epidemic.

The Local Government Board has issued a memorandum dealing with the prevention and treatment of influenza which contains the following recommendations:

1. The golden rule is to keep fit and avoid infection as much as possible.

2. The way to keep fit is to cultivate healthy and regular habits, to eat good food, and to avoid fatigue, chill, and alcoholism. Healthy living does not of itself ensure against attack, but it makes the patient better able to withstand the complications which kill.

3. The early symptoms of influenza are usually those of a severe feverish cold. Though the actual cause of the disease is unknown, we do know that it is rapid in onset, that it is most infectious in its early stages, and that it is spread by discharges from the mouth and nose, and that it kills mainly by its complications. Every person suffering from the disease, no matter how mild the form, is a danger to others.

4. It is not always possible to avoid infection, but the risks can be lessened by:

(a) Healthy living;  
(b) Working and sleeping in well-ventilated rooms;  
(c) Avoiding crowded gatherings and close, ill-ventilated rooms;

(d) Wearing warm clothing;  
(e) Gargling the throat and washing out the nostrils with a solution of common salt (one teaspoonful to a pint of warm water) to which a few crystals of potassium permanganate are added;

(f) By wearing a mask and glasses when nursing or in attendance on a person suffering from influenza. The

mask, which may be made of gauze (four layers) or butter muslin (three layers) should cover the mouth and nose. To protect the eyes it is advisable to wear goggles.

5. Do not waste money on drugs in the false hope of preventing infection.

6. Those attacked should—

(a) Go home, go to bed, and keep warm;

(b) Call in a doctor;

(c) Occupy, if possible, a separate bedroom or a bed that is screened off from the rest of the room;

(d) When coughing or sneezing hold a handkerchief in front of the mouth; the handkerchief should be boiled, or burnt if of paper;

(e) Use a gargle as described;

(f) Be careful during convalescence in order to avoid relapse or complications;

(g) Avoid meetings and places of entertainment for at least one week after the temperature has become normal.

Recommendation 5 seems to us a particularly foolish one for a public body to issue. Surely the use of disinfectants, such as eucalyptus oil and cinnamon, is to be encouraged. We suggest that chemists will be doing a public service in helping the community to escape the epidemic by the judicious use of simple disinfectants.

#### Birmingham.

Fertilisers are being advertised locally.

Mr. Marshall Freeman has removed his offices to 111 New Street.

Clinical thermometers are being sold here in large quantities to ex-soldiers, especially to those of the R.A.M.C.

A public meeting on the delectable question of rats was held on February 25 at the Temperance Hall!

American goods are very prominent just now, one retailer having the legend "Direct from America" conspicuous in his window.

It was mentioned in a recent lecture at Birmingham that during the war 40,000 radiographs have been taken in local hospitals.

The recent report of the Principal of Birmingham University contains a special reference to work done by Professor Frankland for the Government during the war.

*A propos* of a recent note in the *C. & D.* on the use of whale oil in hardening steel, a curious case has lately occurred locally, in which eight persons were injured by fumes caused in the operation. The man in charge of the muffle was, oddly enough, not affected.

Mr. Hurst, who has resigned the position of export manager to Southall Bros. & Barclay, Ltd., after twenty-nine years' service, has been presented by his colleagues with a cheque, a silver kettle, and an illuminated address. Southall Bros. & Barclay, Ltd., have also made him a handsome present.

The business which Mr. T. W. Chapman has just disposed of (see p. 57), was originally that of Mr. F. S. Morris, with whom he served his apprenticeship. Mr. Chapman was one of the first pupils of Mr. F. H. Alcock, Ph.C., and negotiated the "Minor" after a course of study under his tuition. During his business career he has been a great social worker in his district, and he was for many years Vicar's warden at St. Luke's Parish Church.

With the title "Alchemy Lodge," a Masonic lodge is being formed in Birmingham for those in pharmacy and allied professions. Many well-known pharmacists in and around the Midland metropolis have already associated themselves with the project. Wor. Bro. Foster, Combermere, Moseley, has consented to act as Secretary (*pro tem.*), and will be pleased to hear from any Masonic brethren desiring information. A further preliminary meeting is fixed for March 5, at 5 P.M., at the Birmingham Chamber of Commerce.

#### Bradford.

Influenza has developed in Bradford very seriously, and the latest death-roll is heavier than any for a like period during last year's epidemics—and Bradford figured badly at that time. Chemists are again rushed almost off their feet. The "flu-mask" has not appeared in this district yet, except at a big reception given to repatriated prisoners of war, where two ladies braved the gaze of the curious and did their part in the festivities wearing light muslin defacements. The Medical Officer of Health, however, is insistent on the benefits which would accrue from the use of masks, and has publicly explained how easy it would be to make these by the purchase of sterilised surgical gauze from the chemists. There has been a run on general tonics as a preventative: cough-mixtures, on the other hand, are in demand more than tinct. quin. ammon. The great trouble is that of bottles. Medicated sweets are quickly sold out; and in the picture theatres there is usually an odour of disinfectants.

#### Liverpool.

The fog in Liverpool on February 25 was the densest for many years.

The business address of the new Secretary of the Liverpool Chemists' Association (Mr. A. S. Furniss) is 531 Prescot Road, Old Swan.

The Manufacturing Chemists' Association, Liverpool and London, have introduced, as a new feature of the organisation, a department for selling retail chemists' businesses.

The pharmacists' V.A.D. drills at the Royal Institution have brought about many informal but profitable conferences, and the close of the ambulance classes is the more regretted.

Supplementing a communication to his fellow-magistrates on the drinking of methylated spirit (*C. & D.*, January 25, p. 34), Mr. Henry Peet has approached the police and Excise authorities on the subject.

Mr. Andrew Chapman, who represents Zenobia, Ltd., sustained a sad bereavement soon after his return home on demobilisation. His wife and daughter have both been down with influenza, and the latter has succumbed.

Mr. G. V. C. Last, Ph.C., has severed his connection with pharmacy to the extent of having sold his business. He is in his fifth year of medical training, and is now on the house surgeon's staff of the Royal Southern Hospital.

In a letter to the local Press, Mr. Henry Peet offers to exhibit to Sir Arthur Conan Doyle an apparatus which will reproduce all the manifestations witnessed by Sir Arthur lately at a séance, and reported with much circumstance in the daily papers. In former years Mr. Peet gave entertainments of this class to personal friends, and on turning up the lights they saw how simply the objects floating in the air were controlled.

A central-area pharmacist was asked this week what he thought of the proposal to extend to the whole of the municipal area the weekly early closing adopted by the suburban chemists. His reply was: "Under present circumstances of intermittent supplies, scarcity of assistants, and of other aids, we have not enough time to get through our work with the current hours. I think there is some need of a periodical conference among central-area men."

#### Manchester.

On February 22, a boy aged fourteen was summoned on a charge of drunkenness. He had been found unconscious in the street, and it was afterwards discovered that he was suffering from the effects of drinking methylated spirit. The daughter of the chemist from whom it had been purchased said that she had been careful, and that she sometimes questioned the purchaser: they sold about a gallon a week in small quantities. The Magistrate: "If you had seen this boy as we saw him you would be ashamed of yourself." The Clerk remarked that the Government might take action soon, but in the meantime chemists should see the terrible danger of selling this spirit without question and without being aware of the uses to which it was going to be put. They ought to be careful, especially when asked for it by young people. The boy was bound over to be of good behaviour for twelve months.

#### Salford.

There is a great deal of influenza in Salford; some chemists are themselves suffering from it. There is an enormous demand for cough mixtures and fever-cures, some of the proprietary brands being scarce or unobtainable.

Salford chemists, with their wives and friends, to the number of about fifty, met for a *conversazione* at 40 The Crescent on February 13. A very pleasant evening was spent, the programme allowing plenty of time for conversation. The artists included Mrs. Bellringer, Miss Blore, Miss Jones, and Mr. E. H. Simmons. The catering, which was in charge of the Ladies' Committee, was well done, as usual.

#### Sheffield.

Mr. C. H. Hallatt, Attercliffe Common, is suffering from the effects of stress of work, and is taking a long holiday.

A girl employed by Burdall & Burdall, Spring Street, drank half a pint of sweet spirit of nitre in mistake for water. She was conveyed to the Royal Infirmary, where she recovered.

The property in High Street in the occupation of G. T. W. Newsome, Ltd., with a shop adjoining, has been put up for sale by auction. A bid of 30,000*l.* was refused: the property was afterwards sold privately to a London buyer for 31,000*l.*

A notion exists in the minds of many panel chemists that, when a preparation is disallowed, the deduction is made and the matter is ended. But no deduction, however small, is made without full particulars being posted to the chemist concerned, who then has the opportunity to dispute the proposed disallowance.

**Miscellaneous.**

**FESTIVITIES.**—The annual social event organised by the staff of Boots, Ltd., Market Street, Blackpool, took place at the Palatine Hotel on February 19, when over 100 members and friends enjoyed a whist-drive and dance.

**COMPANY WOUND UP.**—An Order of the Board of Trade has been made under the Trading with the Enemy Amendment Act, 1918, for the realisation and distribution of the assets of Thierry (Adolf), Ltd., Guildhall Annex, 23 King Street, London, E.C. 2, manufacturers and dealers in patent medicines. *Controller:* C. Fox, 11 Old Jewry Chambers, London, E.C. 2.

**SACCHARIN TABLETS.**—Boots Pure Drug Co., Ltd., is advertising in "The Times," asking purchasers to insist on being supplied with tablets made from British saccharin. The full-strength tablets are now offered at 1s. per 100; 9s. per 1,000, post free. A correspondent in the "Daily Telegraph" complains that now the price control is removed from saccharin tablets he has been charged 1s. 9d. per 100 instead of 1s. 7½d.

**London Chemists' Golfing Society.**—A Committee meeting of this Society was held at 17 Bloomsbury Square, London, W.C. 1, on February 20, when it was decided to restart the Club, and arrangements were made for resuming the competitions for the various cups and trophies. The general meeting will be held at 17 Bloomsbury Square on March 20, at 8 P.M., and the annual dinner on April 10. The Hon. Secretary is Mr. G. F. Deeth, 40 Cleveland Park Avenue, Walthamstow, E.

**W.A.B.F. WHIST-DRIVE.**—A chemists' whist-drive and dance was held in the Brighton Assembly Rooms, Newcastle-on-Tyne, on February 19. The presents were given by Evans Sons Lescher & Webb, Ltd., Liverpool; Stephen Smith & Co., Ltd., London; A. de St. Dalmas & Co., Leicester; H. Hebdon, Halifax; and Miss McClumpha. As the result of the efforts made, 18½ 10s. was forwarded to the War Auxiliary Benevolent Fund.

**Poisonings.**—An inquest was held in London on February 21 on the body of Mr. James J. B. Saffery, an export merchant, residing in Peckham, who had been found unconscious at home and was subsequently certified to have died from veronal poisoning. A witness stated that he believed the veronal to have been obtained from Mr. Saffery's son, a doctor, who had predeceased him. A verdict of "Suicide while of unsound mind" was returned.—At Settle a Mrs. Holmes committed suicide by drinking a solution of ammonia.

**Offences Against the Person Act.**—At Manchester Assizes, on February 22, respective sentences of twenty-one months and eighteen months were passed on Lily Roberts and Emily Hodge for illegal operations on women (*C. & D.*, February 15, p. 42).—At Bow Street Police Court, London, on February 25, Private Percy Parker Shephard, R.A.M.C., was charged with having on divers dates between August 6 and December 12, 1917, unlawfully attempted to cause to be taken by Cicely Maria Shephard certain noxious things with intent to procure her miscarriage. It was stated that the accused gave Mrs. Shephard, who at that time was a widow, pills and medicine, but she abstained from taking either, and some of the supply was subsequently handed to the police. The prisoner, against whom there are two other charges, was remanded on bail.

**Private Arrangement.**—A circular has been issued to the creditors of Mr. F. R. Disher, trading as The Greer Druggists' Supply Co., 1861 Camberwell Road, London, S.E., by Mr. O. Sunderland, accountant, 15 Eastcheap, E.C., stating that Mr. Disher, who carried on numerous businesses in Camberwell, had consulted him on his financial position. Creditors were pressing, and it was decided that a deed of assignment should be executed in order to protect the estate. A meeting of the twelve largest trade creditors was subsequently held, with a view to their instructions being taken, pending a meeting of the general body of creditors. At the meeting it was stated that according to the figures prepared by Mr. Disher the unsecured liabilities amounted to approximately 12,000*l.*, while at cost price the assets were about 18,000*l.* After discussing the position the principal creditors approved the execution of the deed to Mr. Sunderland, and instructed the trustee to continue the various businesses as usual pending the general meeting of the creditors.

**Inquests.**—The Leeds City Coroner held an inquest on February 18 on the body of a Mrs. Horsburgh (34), for whom a Sheffield doctor had some time ago prescribed hypodermic injections of morphine and supplied a syringe. A Leeds practitioner gave evidence to the effect that during the last two years Mrs. Horsburgh had shown symptoms of morphine poisoning at intervals, and he thought that it was an accelerating cause of death. A "Misadventure" verdict

was recorded.—At a Kensington inquest held on February 21 on the wife of a railway porter named Kent, evidence was given by two women that they had been drinking with the deceased, and while drunk might have consumed methylated spirit. A police surgeon having stated that there was evidence of methylated-spirit drinking in the case of Mrs. Kent, the inquiry was adjourned.—At an inquest held in Southwark on February 20 on the body of William Oscar Gridley, hop merchant, Dr. G. K. Bowes, Herne Bay, stated that five or six years ago he gave the deceased ½ grain of heroin. Sixteen months ago he suspected he was taking more heroin than he should. He stopped the supply altogether, but Mr. Gridley apparently got it from elsewhere. On Boxing Day he found him in acute pain and restless. He said he had had no drug at all for forty-eight hours, and that the chemist would not supply him with any more. The witness said, "Why is that?" He replied, "This unfortunate 'Billie Carleton' case has put the wind up them." Dr. Spilsbury said there was no evidence of poisoning. The taking of drugs over a number of years might have weakened the general system, and thus hastened death. The Coroner said the public could obtain drugs too readily, and the Government should take preventive action in the interests of the community. A verdict of "Death from natural causes" was returned.

**In the Courts.**—At Bow Street Police Court, London, on February 24, Maurice Ernest, LL.D., 93 Cromwell Road, S.W., described as a homoeopathic consultant, was charged with having used a name other than that by which he was ordinarily known at the date of the commencement of the war, in contravention of a Regulation made under the Defence of the Realm Act. It was stated that the defendant's original surname was Ernst, and that in 1915 he changed it by deed-poll to Ernest. A fine of 10*l.* 10s., with 10*l.* 10s. costs, was imposed.—At the same Court, on February 21, the case in which R. R. de Veulle is charged with the manslaughter of "Billie Carleton" (*C. & D.*, February 22, p. 49) was continued. Mr. George Rose Cram, solicitor to a film company that employed Belcher, a witness in the case, gave evidence concerning the receipt at his office of a parcel containing, among other things, some white powder in a bottle. It was stated by counsel that an analysis was being made. The hearing was again adjourned.—At the North London Police Court, on February 24, two lads named Mills and Gorse were charged with breaking into warehouses and stealing typewriters and other articles; one of the charges related to a theft from the warehouse of the Vulco Dry Battery Co., Marlborough Yard, Holloway, of two Underwood typewriters and other property, value 61*l.* 10s. Two clerks named Brano and Brady were at the same time charged with receiving certain of these typewriters. A remand was ordered, the two adult prisoners being admitted to bail.—At Marylebone Police Court, London, on February 25, the hearing was resumed of the summons against B. H. J. Van Dieren, a Dutch musician, for unlawfully procuring cocaine from John Bell & Croyden, Ltd., Wigmore Street, W. (*C. & D.*, February 1, p. 45). It was stated that the defendant would be unable to attend the Court for a long time, and the case was proceeded with in his absence. Mr. Musket, prosecuting, said that for many years the defendant had suffered acutely from an aggravated form of stone in the kidney, and had sought the assistance of distinguished specialists, but with little relief. Dr. Lowbury, Belsize Road, Hampstead, had given him hypodermic injections of morphine, and latterly had prescribed cocaine for the purpose of counteracting the ill-effects of the morphine. The defendant, having two of these prescriptions for cocaine hydrochloride, purloined some of the doctor's letter-paper and forged and uttered seven prescriptions for the drug. When the forgeries were discovered and the defendant was confronted by Dr. Lowbury, his only answer was that he was suffering such agony from the disease that he was forced to take any step which would enable him to obtain even temporary relief. A fine of 10*l.*, with 8*l.* costs, was imposed.—In the High Court, London, on February 26, Mr. Walter Tappenden (described as manager for a London firm of manufacturing chemists) and his wife were awarded 40*s.* damages, and costs, in an action brought against Mr. F. Davell, a laundryman, for damages for assault and trespass at a bungalow near Clacton-on-Sea.

**The Right Sort and the Wrong.**—They were discussing the mixed points of some of the assistants whom the Fates had wafted their way. "If any man made a mistake like that in my pharmacy," said the irritable employer, "I should throw him out of the place." "Perhaps you would," rejoined the other, "but it might be unwise to try. I've always found that the men one could easily do that sort of thing to are the very fellows who never do anything to worry one!"

## Irish News.

### Brevities.

At the annual meeting of the Reformed Presbyterian Church, Newry, co. Down, Mr. Andrew McIlwaine, Ph.C., was elected a member of the Congregational Committee.

The Local Government Board have circularised Irish Boards of Guardians, asking medical officers to exercise every economy in their medical supplies, consistent with the efficient treatment of the patients, as the expenditure has been unusually high in certain districts.

The present Lighting Restriction Order in Ireland will remain in force until March 31. There is, however, clear daylight now at half-past five, after which hour a chemist cannot sell certain articles. Business could easily be carried on after the hour mentioned without any additional lighting.

### Belfast.

Mr. R. C. Jamison, of Shaw & Jamison, wholesale druggists, Belfast, has been demobilised after four years' service in the Army.

At a meeting of the Board of Management of the Royal Victoria Hospital a vote of thanks was tendered to Mr. Thos. McMullan (Thos. McMullan & Co., wholesale druggists, Victoria Street) for a donation of 50*l.* to the funds of the hospital on behalf of himself and his brothers.

A general Committee of the meeting of the Ulster Drug Trade Association was held in Belfast on February 21, the President (Mr. F. T. Smith, J.P., Antrim) in the chair. It was decided to form an employers' section of the Association to deal with questions of wages, hours, etc., of assistants when demands are made on their behalf. The Association is sympathetic to the assistants, and anxious to deal fairly with them.

In view of the general movement for shorter working hours, the following pharmaceutical chemists and registered druggists in East Belfast have agreed that in future their respective places of business will be closed not later than 8 P.M., except on Saturdays, when the closing hour will not be later than 10 P.M. The services on Sundays (if any) will also be curtailed:

### Pharmaceutical Chemists.

John Adams.  
W. J. Balmer (Belfast), Ltd.  
Wm. Roche Browne.  
Hugh Crail.  
J. Carroll Culbert.  
Davidson & Murray  
H. D. Heazley.  
S. J. Hudson.  
A. M'Naught.  
Thomas Mitchell.  
A. Morris.  
Horatio Todd.  
Andrew Wilson.

### Registered Druggists.

Clas. Abernethy.  
James Browne.  
James D. Carse.  
A. Dalton.  
Wm. T. Gordon.  
Hugh Holmes.  
Robert Kells.  
Francis Lindsay.  
J. Long.  
James Macaulay.  
Bryce McDowell.  
James McDowell.  
Samuel Nevin.  
Samuel Smyth.

### Cork.

Mr. Eugene MacSweeney, Ph.C., 91 Patrick Street, Cork, has a notice displayed stating that he is closing his pharmacy at nine o'clock each week night, and at ten on Saturdays, until further notice.

Owing to the largely increased business during the past few weeks the shortage of bottles is very acutely felt all over the South of Ireland. This week in Cork, in at least two shops, medicines had to be given out in ordinary half-pint whisky flasks.

During the three influenza epidemics chemists were never so busy as they are during the present one. Though at first it was not of a very violent type during the last week, the disease spread with alarming rapidity, and thousands of people are stricken. In Cork the chemists' shops were so crowded with customers that during the busiest part of the day they were obliged to stand three deep at the counters. Most chemists have had to deal with the record rush of business with short staffs, as many chemists' assistants are victims to the prevailing epidemic.

Owing to the non-return of the officials of the Shop Assistants' Union, with which the Cork branch of the Irish Chemists' Assistants' Association is affiliated, the assistants are still without the masters' reply to the recent demand for increased wages and shorter hours. The affair was considered by the Cork chemists three weeks ago, but the Secretary of the Employers' Federation could not get into communication with the Union officials, the consequence is that the assistants feel that they have been badly treated by those to whom they entrusted their case.

## Scottish News.

### Poisonous Doses of Phenol.

A remarkable letter from Sir Frederick Milner to the Press has attracted a good deal of attention. It reads as follows:

I have had two or three letters asking me for the prescription I and others have successfully taken for influenza and chills. It is Calvert's phenol for internal use, No. 2. The dose is two tablespoonsfuls three times a day. The patient must be sure to stop in bed and keep warm while taking it. I get it from John Saville, chemist, 4 Goodramgate, York. The remedy used by Dr. Barone in Italy is—Pure phenol, 1 grm.; distilled water, 200 grm.; menthol, 0.10 grm. A tablespoonful every hour. But above is the prescription I have used.

Mr. J. Rutherford Hill, Ph.C., Secretary of the North British Branch of the Pharmaceutical Society of Great Britain, has promptly seized his opportunity, and has issued a statement in the course of which he says:

"The letter from Sir Frederick Milner creates a grave public danger. Calvert's phenol (more commonly known as carbolic acid) No. 2 is stated by the maker to be for external use. Only the purest No. 1 phenol is used for internal medicinal use. Both, however, are highly dangerous unless care is taken to secure proper dilution and accurate dosage. There is a recorded case in which a man swallowed the dose recommended, and was dead in less than three minutes. The extreme danger of such a letter lies in the fact that many persons may have Calvert's No. 2 phenol in the house for use as a disinfectant, and may swallow a fatal dose. We have just had an instance of this kind, in which, fortunately, the man consulted his chemist before doing so, and thus escaped a fatal error. About twenty-five years ago Calvert's people recommended a mixture of phenol 16 minims, glycerin 2 fluid ounces, and water up to 16 fluid ounces, to be taken in two tablespoonful doses for influenza. That means each dose contained rather less than 1 grain of phenol, whereas two tablespoonfuls of Calvert's No. 2 phenol would contain more than 400 grains." Sir Frederick Milner has since intimated that his dose (printed "doze") is intended to refer to "the diluted prescription."

### Dundee.

The carbolic-acid "cure" for influenza in two-tablespoonful doses has been asked for in Dundee this week. (See Sir Frederick Milner's letter in this column.)

Jas. Hardie & Son (Mr. H. J. Hunt, proprietor), chemists, are on the outlook for new premises, in consequence of the property having been purchased by Jas. Keiller & Son, Ltd., confectioners.

### Edinburgh.

"How are the table-spoonfuls o' carbolio going?" was a doctor's greeting in a local pharmacy this morning.

"Why don't you make up a stock of some of the mixtures that a doctor frequently orders just now?" suggested a lay friend to a local chemist. "Sheer waste of time and drugs," replied the experienced pharmacist. "Something seems to whisper to a doctor when you're ready for him like that, and he immediately turns to preparations entirely different."

An Association of Women Pharmacists (Edinburgh Group) has been formed, with Miss M. Grant Boag as President. Miss Shepherd is Vice-President; Miss Stevens, Secretary; Miss Campbell, Treasurer; and the Committee consists of these ladies and Misses Duncan and Hutchison. The Association meets at 36 York Place on Wednesday, March 5, at 7.30 P.M., when a paper will be read by Miss Tomory on "Aims and Opportunities of Women Pharmacists."

Mr. George Barger, M.A., D.Sc., has been appointed to the chair of Medical Chemistry at Edinburgh University. He is at present engaged in medical research work for the Medical Research Committee, National Health Insurance. Dr. Barger was chemist at the Wellcome Physiological Research Laboratories from 1903 to 1909. He contributed a paper on an active principle of ergot to the British Pharmaceutical Conference in 1909 (*C. & D.*, II., 1909, p. 229).

### Glasgow.

Influenza is widespread in Glasgow, and pharmacists are overwhelmed with work.

Damage estimated at 12,000*l.* was caused on February 19 by an outbreak of fire at the works of Alexander Cross & Sons, Ltd., Port Dundas. The acid-plant suffered considerably.

Mr. W. H. Chambers, Edinburgh, received an injury to his left ankle through a runaway horse in Trongate, Glasgow, on February 22. Mr. Chambers, who has been serving with the Forces, was well known in pre-war days as a representative of Ayrton, Saunders & Co., Ltd., and as the Secretary of the Edinburgh Pharmacy Athletic Club.

## South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

**RHODESIAN ARSENIC.**—A new source of arsenio recently tapped in Rhodesia is yielding at the rate of 30 tons monthly.

BOTTLES of every description are now being made by a Durban firm in large quantities, a modern regenerative tank furnace having been installed for the purpose.

**THE MEDICAL, DENTAL, AND PHARMACY BILL,** over which so much time was spent last year and which was amongst the "slaughtered innocents," is not likely to be brought forward again during this Session, which opened on January 17, and in all probability will not be heard of again until 1921.

**IMPORTS FROM THE UNITED STATES.**—During November the following chemicals, etc., were imported into the Union from the United States: Carbolic acid, 1,300 lb.; beeswax, 280 lb.; copper sulphate, 11,200 lb.; glycerin, 100 lb.; hops, 2,778 lb.; paraffin wax, 300,600 lb.; potassium chlorate, 57,120 lb.; soda ash, 401,986 lb.; soda caustic, 4,782 lb.; sulphur, crude, 22 tons; superphosphates, 100 tons.

**C.A.A. WANTED.**—A chemist's assistant ("Mag. Sulph.") writes to the "Cape Argus" advocating the formation of a Chemists' Assistants' Association, and suggests that it should be affiliated with home societies in order to prevent big firms in the Union importing them on "that cursed three-years' scheme of 14*l.*, 15*l.*, and 16*l.* per month." "Mag. Sulph." suggests that the present salaries are not large enough to meet the high cost of living, and that no war bonuses have been paid to assistants. In fact, he maintains, the chemist's assistant is underpaid and overworked, having to work from 8 A.M. till 9 P.M. four or five days a week.

**PUBLIC HEALTH BILL.**—The opening of the fourth Session of the second Parliament of the Union of South Africa took place at Cape Town on January 17. Amongst the measures to come before Parliament is a "Bill to make provision for the public health." This Bill will establish a Department of Public Health, which will be under the control of a Minister and in respect of which there will be a portfolio of Public Health. The proposed Bill is printed in full in the "Gazette" of January 6. Paragraph 43 states, *inter alia*, that where an outbreak of any formidable epidemic disease exists the Ministry may requisition drugs. Paragraph 65 may lead to trouble, as it prohibits the publication of advertisements relating to venereal diseases. Paragraph 66 is of interest, as it provides facilities for the diagnosis and treatment of venereal diseases.

**PRESNTATION TO MR. MERRINGTON.**—A smoking-concert was held at the Manchester Hotel, Cape Town, on January 17, 1919, the occasion being a presentation to Mr. E. E. Merrington by the staff of Heynes, Mathew, Ltd. The chair was taken by Mr. F. C. Mathew (managing director), who was supported by Mr. H. J. Kinlay (Secretary). In making the presentation, which took the form of a smoker's cabinet, suitably inscribed, and a Morris chair, Mr. Mathew spoke feelingly of the long service rendered to the firm by Mr. Merrington, he having served well and faithfully for no less than forty-five years. Mr. Merrington is probably known personally to more chemists in the Union than any other individual, and will carry with him in his well-earned retirement the good wishes of all and sundry in the drug-trade in the Union. The toast of the evening was received with enthusiasm and musical honours, and Mr. Merrington suitably replied. A capital musical programme followed.

**SPANISH INFLUENZA'S TOLL.**—Sir Thomas Watt, Minister of the Interior, met a Conference of local authorities of the Union at Cape Town on January 21 in order to discuss certain aspects of the recent epidemic of Spanish influenza. In replying to a demand of the local authorities that the Union Government should assume responsibility for the costs incurred by them in fighting the epidemic, Sir Thomas Watt said: "The recent visitation had had a most terrible effect on human life. Though the figures are not yet complete, fully 11,000 Europeans and about 127,000 coloured and natives have died of the disease, the toll in lives being heavier in South Africa than in any other part of the world, in spite of sunshine and pleasant conditions of life which should have had a contrary effect." The total death-roll will probably never be known, but is generally believed to be at least 150,000, or about 2½ per cent. of the total population. Between 60 per cent. and 70 per cent. of the people were attacked by the disease. The Union Government propose to reimburse the local authorities to the extent of four-fifths of their reasonable expenditure.

## Pharmaceutical Society of Cape Province.

A general meeting of the Pharmaceutical Society of Cape Province was held in the Society's rooms, Darling Street, Cape Town, on December 19, 1918. Messrs. D. L. Petrie (President), Corrigan, Sowden, Oxenham, Hill, Mohr, Turnbull, Burton, Sloan (Acting Secretary), and Dr. Froembling were present. The minutes of the previous meeting were read and passed. Mr. D. L. Petrie reported on a meeting recently convened by the British Medical Association (Western Province branch) at which he (Mr. Petrie), together with Dr. Froembling and Mr. S. W. Hill, were delegates on behalf of the Pharmaceutical Society. This meeting was convened with the idea of seeing if it would be possible for the various learned Societies of the Cape Peninsula to combine to acquire joint premises in a central position in Cape Town. No concrete proposal was brought forward, but the meeting was enthusiastic, and there is every indication that the scheme may develop further. A vote of sympathy was passed with the relatives of the late Mr. C. F. Spruce and Mr. W. H. Gardner-Hopkins, both of whom died of pneumonia following on influenza during the epidemic in October. Mr. Spruce was Secretary of the Society at the time of his death, and Mr. Gardner-Hopkins has been an active member for many years.—A letter was read from the New South Wales Pharmacy Board re reciprocity of qualification, and the Acting Secretary was instructed to send it on to the Cape Pharmacy Board as the proper body to deal with it.—Mr. Corrigan brought up the question of earlier closing, and thought chemists should fall into line with the other shops and make their closing hour six o'clock instead of seven. After discussion Mr. Sowden suggested that the next general meeting should consider the formation of centres for supply of medicines, etc., after the closing hour. In reply to a question, it was mentioned that no replies had yet been received from the Government with reference to the Society's further representations in connection with the employment of unqualified chemists as dispensers in several Government institutions.

## Colonial and Foreign News.

**DR. OTTO TUNMANN.** of Berne, has been appointed successor to Dr. Moeller as Professor of Pharmacognosy at Vienna University. Dr. A. Tschirch, of Berne, had not accepted this nomination because of the slow progress of the negotiations with the Austrian Government.

**NARCOTICS FOR INDIA.**—A Customs Circular Tariff, No. III. of 1918, has been issued, giving a list of the medicinal preparations containing cocaine or other derivatives of the coca-plant which are exempted from Customs and Excise restrictions in the various provinces of India. This list is substantially as printed in the *C. & D.* of December 9, 1916 (p. 47), except that the paragraph on ampoules has been put more concisely.

**PRODUCTS FROM SEAWEED.**—The Fucus Company, formed in Sweden for the purpose of extracting chemical products, including sodium sulphate, potassium sulphate, potassium chloride, acetic acid, and formic acid, from seaweed, is about to commence operations. Attention will be directed, in the first place, to the production of potash manures. Several hundred tons of seaweed has been collected by the company. In the experiments made so far Baltic seaweed has been used.

**LUXURY-TAX YIELD IN FRANCE.**—An article in the Paris "Journal" gives figures to show that the average monthly yield of the new luxury-tax is less than 12,000,000 fr. It was expected, the article continues, that the tax would return annually 1,000 millions. Assuming a total yield per annum of 144 millions, for that paltry amount national production has been paralysed, everyone has been annoyed, dissimulation and fraud have been encouraged, and taxes which would have been ten times more productive have not come into force.

**CHEMICAL-INDUSTRY IN TURKEY.**—A few chemicals—*e.g.*, iodine and quinine—are produced in Turkey, but the manufacture of sulphuric acid is as yet undeveloped. Raw material in the form of sulphur compounds exists in sufficient quantities. Owing to the scarcity of coal, the prospect of establishing a coal-tar-products industry is not bright. Another drawback to working on a large scale in chemicals is the absence of soda, all of which has to be imported. Perfumes, as is well known, are readily obtainable from native sources.

## Italian News.

**WOOD-DISTILLATION PRODUCTS.**—Large wood-distillation works costing about 2,500,000 lire are being built at Palermo for the production of acetone, the distillation of wood spirit, and the obtaining of other chemical products from wood. The manufacturing processes are to be carried on under Government direction, and it is stated that the owner has already received contracts amounting to 5,000,000 lire from the Italian Government.

**DRUG CULTIVATION.**—The "Nuova Antologia" suggests that the present high prices for medicinal plants should encourage cultivation, and adds a comparison of prices obtained this year with those ruling in 1913-14. The following are examples, the old price per quintal being given in parentheses: Marshmallow-root, 350 lire (75); belladonna-root, 800 lire (170); stramonium, 300 lire (100); linseed, 170 lire (55); Roman châmomile, 1,800 lire (150); digitalis, 850 lire (100).

**ESSENTIAL-OIL INDUSTRY.**—To encourage the essential oil and perfumery industry in Italy, the following concessions have been granted by Decree: (1) Cultivators of flowers for essential oils and perfumes are exempted from land-tax for ten years, and in certain cases from income-tax on the proceeds of such cultivation for five years. (2) Italian manufacturers of essential oils from oils and herbs, and manufacturers of perfumes are exempted from customs and octroi taxes on machinery and building materials, from income-tax for five consecutive years, and from taxes and supertaxes on their buildings for five years.

**HELPING CHEMICAL-INDUSTRY.**—For a period to terminate one year after the conclusion of peace there has been instituted by Royal Decree in Italy an Office of Industrial Chemicals under the direction of the Ministry of Industry and Labour. The Committee in charge will compile statistics on the production of Italian industrial and pharmaceutical chemicals, paying particular attention to the raw material and intermediary products; will examine new measures or the modification of measures proposed in Italy and abroad for the bettering of the chemical-industry; and will prepare a report for the Government on the most effective means to be employed in applying science to the chemical-industry.

**THE MILAN CO-OPERATIVE PHARMACY.**—A difference of opinion arose some time ago between the technical staff and the board of the "Co-operativa Farmaceutica" of Milan, which was referred for arbitration to the Association of Pharmacists of the province of Milan. The verdict of the latter has now been published; it provides that until three months after peace is signed the salary of the male and female permanent staff shall be increased in the ratio of a 7l. 16s. addition to the base salary of 10l. 12s., so that the former fundamental salary is now increased to 18l. 8s. a month. The pharmacist on night duty is to receive an allowance of 8s. for this duty. Existing contracts with persons employed provisionally by the firm are to cease three months after peace is signed, but the salary paid to these war-workers may not be less than the amounts fixed above. Military persons doing work for the firm are to be paid for each day actually spent in working, at the same rates as are payable to the members of the permanent staff.

**SOURCES OF POTASSIUM SALTS.**—Italy, like other countries, depended upon Germany for her supplies of potassium before the war, and imported annually about 23,000 tons, valued at 6,000,000 lire. With a view, however, to rendering herself independent of this supply, a commission under the direction of the Ministry of Arms and Munitions is studying methods for obtaining sufficient quantities at home. The following possible sources are to be investigated: (1) The recovery of potassium from the flue-dust of the metallurgical furnaces; (2) its recovery from the flue-dust of the cement kilns; (3) its extraction from the residue left after the evaporation and calcination of molasses, or of the oily dregs of pressed olives; (4) from the grease extracted from wool; (5) from the ashes of marine plants; (6) from the salt waters of Italy and her African colonies; (7) from the double silicates of aluminium and potassium, rocks containing these silicates being found abundantly, it is claimed, in the central and southern parts of the peninsula.

**COMPETITION WITH JAPAN.**—Mr. John F. Queeny, president of the Monsanto Chemical-works, St. Louis, says American manufacturers of chemicals and medicinal products must turn out their products at lower cost than the British or Japanese manufacturers if they expect to share in foreign trade. He points to the Japanese law, which guarantees a profit of 8 per cent. for ten years to any manufacturer with an investment of \$50,000 who makes any product not made in Japan before the war.

## German News.

**THE ZEISS WORKS.**—Jena, have purchased water-power on the Upper Saale to the value of 2,000,000m.

**COLLOIDAL CHEMISTRY.**—An institute for colloid research has been founded in Frankfurt. It is the first of its kind, and owes its initiative to Professor Paul Ehrlich. Professor Dr. H. Bechhold is the first director.

**COLLECTION OF BEECH-NUTS.**—As an inducement to collect beech-nuts, everyone bringing them to a dépôt receives, according to a recent decree, 1.65m. per kilo., and a ticket for edible oil to the extent of 6 per cent. by weight of the nuts delivered.

**SOAP FROM PARAFFIN.**—The "Weser-Zeitung" warns its readers against expecting too much from recent laboratory experiments in obtaining soap from paraffin, pointing out that from such experiments to the realisation of a process there is a long distance to be traversed.

**SEALING-WAX SUPPLY.**—It is announced that the Imperial Post has rejected the proposal for the alteration of the regulations requiring parcels containing valuables to be sealed with sealing-wax. The Imperial Post states that resin-free sealing-wax is available in sufficient quantities for the purpose.

**PHARMACEUTICAL RECONSTRUCTION.**—A scheme for the reconstruction of pharmacy in Germany was set forth in a recent number of the "Pharmaceutische Zeitung." The same subject was ventilated at a meeting of pharmacists and other members of the drug-trade held in Berlin at the end of last year, hours of labour and other details being discussed.

**THE TOLL OF WAR.**—According to the "Pharm. Zeitung," 407 chemists, 726 pharmacists and pharmaceutical assistants, 61 military pharmacists, and 1,788 physicians have fallen in the war. The "Chemiker Zeitung" states that 1,042 chemists have been killed. Dr. O. Troplowitz, senior partner in the firm of P. Beiersdorf & Co., of Hamburg, died on April 27, 1918, and since then the sole owner, Dr. O. H. Mankiewicz, has also died.

**ALCOHOL FROM CALCIUM CARBIDE.**—According to a recent number of the "Rhein. Westfäl. Zeitung," excellent results have been obtained in the manufacture of alcohol from calcium carbide by means of electricity. If the total quantity required by Germany could be made from inorganic substances she would be able to economise in potatoes. By this method it is also claimed that it will be possible to produce acetic acid as well.

**COTTON-WOOL SUBSTITUTE PROPOSED IN GERMANY.**—A correspondent of the "Apotheker Zeitung" proposes the use of *Conferva bombycinia* Ag. as a substitute for cotton-wool. This species has simple, smooth threads which become silky when dried. It is easily bleached and sterilised, is very absorbent, and, as it swells more than cotton, forms an ideal cotton-wool substitute. The harvesting is very simple, as the threads can be raked out of the water.

**COCAINE AND PEPPERMINT EXPROPRIATED.**—An Order respecting the expropriation and declaration of cocaine and coca-leaves was issued recently. Coca-leaves, cocaine and its salts, whether raw, half products, or the finished product, are expropriated if the stocks of one person exceed 500 grams. Simultaneously another Order appeared respecting the expropriation and declaration of peppermint tea and leaves, by which peppermint herb, peppermint tea, and peppermint-leaves are expropriated whenever the stock of any one person exceeds 25 kilos.

**ANALYSTS BUSY.**—Dr. Robert Meyer, in the "Berliner Tageblatt," protests against the increase of cases of criminal proceedings against food-preparation factories. He states that the want of raw material has caused food-industries to manufacture their preparations from other ingredients. This opens a wide field for the activities of food analysts, and many of the prosecutions turn upon the point whether the new ingredient is termed an equivalent (*Ersatz*) or a substitute (*Sparmittel*). The Bundesrat Order of June 26, 1916, penalises the sale of food-preparations under a name calculated to deceive, and it is often forgotten in these proceedings that the consumer's view of things, not the scientific analyst's, should form the standard. Whether a preparation without sugar may or may not be sold as pudding-powder, why baking-powder is not a food, while yeast is, are matters of indifference to the consumer, and legal proceedings over these points are not only superfluous, but harmful. Authorities charged with the task of supervising the trade should be directed to proceed against a manufacturer only when he persists in a mode of action after he has been specially warned against it.

## Legal Reports.

**Venereal Disease Act.**—At Bradford, on February 25, William Schofield, herbalist, 344 Manchester Road, was fined 25/- for contravening the Venereal Disease Act.—Thomas Wilson, herbalist, 518 Manchester Road, was also summoned on a similar charge, but the case was dismissed because of insufficiency of evidence.

**Soap Trade Litigation.**—What promised to be a case extending over many days was opened in the King's Bench Division of the High Court on February 24. The plaintiffs were Lever Bros., Ltd., and the Associated Enterprises, Ltd., and the defendants Brunner, Mond & Co., Ltd., Joseph Crosfield & Sons, Ltd., and William Gossage & Sons, Ltd. The suit was the outcome of an attempt to settle a previous action, which was partly tried in 1917. The plaintiffs claimed a declaration that, pursuant to an agreement entered into by them with Brunner, Mond & Co., Ltd., in July 1917, they are entitled to an equal division and share in the conduct and management of the businesses of Crosfield & Sons, Ltd., and Gossage & Sons, Ltd., and that the directors of those two companies nominated by them are entitled to exercise such rights, powers, duties, and authority as are exercised by the other directors, including those nominated by Brunner, Mond & Co., Ltd. The case was opened by Sir John Simon, and continued on February 25. After Lord Leverhulme had given evidence it was announced that it had been found possible to remove the action from the Court. The plaintiffs proposed to withdraw their claim as being premature, and to pay taxed costs. The counterclaim would be withdrawn for the same reason. Mr. Justice Bailhache agreed to the proposals, and remarked that for a long time he failed to understand what was the claim in the case.

**Excess Profits Appeal.**—Mr. Palmer, on behalf of Hedley (Leytonstone), Ltd., manufacturers of anaesthetics, moved before a Divisional Court in the King's Bench, on February 21, for a rule *nisi* for a mandamus directed to the General Commissioners for Income-tax for the Beacontree Division of Essex to hear and determine an appeal of the Hedley Co. against a decision of the Commissioners assessing the company for excess profits. The question raised was regarding the basis on which excess profits should be assessed. The Commissioners had dismissed the appeal of the company against an assessment for excess-profits duty of 5,238/- made in respect of profits for the accounting period ended December 31, 1916. The Commissioners had determined that they were precluded from applying any principles other than those applied in the case of an ordinary income-tax assessment. The company had claimed to make a deduction in respect of developments in the pre-war period. In consequence of not allowing for money spent on these developments the Commissioners had put the pre-war profits at too low a figure, which made the company liable to a higher excess-profits assessment than they claimed they ought to pay. Mr. Justice Lush: If the Commissioners pushed to an extreme the principle on which they appear to have acted, a company might be made to pay excess profits when in reality it has not made any. Mr. Palmer: Yes, my Lord. The Commissioners refused to allow deductions in respect of developments expenses in the anterior period during which income-tax was payable. The Court granted the rule asked for.

## Gazette.

### Partnerships Dissolved.

FRIEND, H. C., COUPER, R. P., and JOHNSTONE, J. F., fertiliser brokers and merchants, 1 Fenchurch Avenue, London, E.C., under the style of Couper, Friend & Co., so far as regards J. F. Johnstone.

TIRRELL, J., and TIRRELL, A. W., chemists and druggists, 13 Market Square, Hanley, Staffs, under the style of John Tirrell.

TURNER, C. W., and TURNER, G. A., chemists and druggists, 12 The Foregate and 23 St. John's, Worcester, under the style of Anderson & Virgo.

### Bankruptcy Acts.

#### RECEIVING ORDER AND ADJUDICATION.

BELART, J., late 29 Upper George Street, Huddersfield, now 177 Hyde Park Road, Leeds, consulting chemist.

## New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

**EDWIN W. ALABONE TREATMENT, LTD.** (P.C.).—Capital, 4,640/. Objects: To take over the business formerly carried on by E. W. Alabone at Lynton House, Highbury Quadrant, N., for the treatment of phthisis and pulmonary diseases, etc.

**HYDROGEN, OXYGEN, AND PLANT COMPANY, LTD.** (P.C.).—Capital, 50,000/. Objects: To carry on in the British Empire (except Canada) the business of manufacturers of and dealers in all kinds of plant, machinery, and accessories used in the production and use of oxygen, nitrogen, argon, and other gases, to acquire certain patents already granted, etc. Solicitor: P. C. C. Francis, 19 Great Winchester Street, London, E.C.

**ADNOS, LTD.** (P.C.).—Capital 20,000/. Objects: To take over the registered name "Adnos," and the business carried on by H. G. Thompson, Merchant Street, Blackburn, as the "Adnos Manufacturing Co.," and to carry on the business of manufacturers of and wholesale and retail dealers in artificial manures and waste products, chemists, druggists, drysalters, naphthaline manufacturers, oil and colour men, soapmakers, manufacturers of photographic goods, etc.

**A. MILLAR & CO., LTD.**—The directors' report for the year ended November 30, 1918, states that after making due provision for bad debts, depreciation of premises, machinery, etc., directors' fees and excess-profits duty, the net profit, including the balance of 3,554/- brought forward, amounts to 21,814/- 19s. 7d. An interim dividend at the rate of 5 per cent. per annum on the preference, and at the rate of 6 per cent. per annum on the ordinary shares, was paid last July, amounting (less income-tax) to 2,760/-, leaving a balance of 19,054/- 19s. 7d. A final dividend on the preference shares of 5 per cent., less income tax—1,050/-—was paid in January last. There remains a sum of 18,004/- 19s. 7d., out of which the directors recommend the payment of a final dividend (less income-tax) on the ordinary shares, which, with the interim dividend already paid, makes 15 per cent. per annum, 6,300/-; to be added to reserve fund (bringing this account up to 25,000/-), 5,000/-; to be added to equalisation of dividends reserve, 2,500/-; to be carried forward to next account, 4,204/- 19s. 7d. The meeting was held on February 20, at 10-13 Thomas Street, Dublin. Mr. Fitzadam Millar, managing director, presided, and moved the adoption of the above report, which was passed unanimously.

**SMITH, STANISTREET & CO., LTD., CALCUTTA.**—The first annual report of the directors for the year ended March 31, 1918, states that the profit is Rs. 3,15,577. This being the first year of the company's trading as a limited liability company, and no preference shares having been issued in the year under review, the directors recommend that this sum be treated as follows: Payment of dividend of 31 per cent. on the ordinary shares, Rs. 3,10,000/- to be carried forward to next year, Rs. 5,577. The report points out that business for the year has been good, showing an expansion of several lakhs over the previous year's record. Stocks in hand have been conservatively estimated below actual cost as a safeguard against depreciation on the declaration of peace. The outstandings are above those of the previous year, but in comparison to the increased business during the year are lower than the usual ratio to the turnover. The bulk of the company's outstandings is due from Government Departments, and heavy payments are usually made at the close of the Government financial year, arriving after April 1; these payments were, as usual, received during April too late for inclusion in cash in hand on March 31. This is a normal feature of the business, and recurs annually. The usual reserves for bad and doubtful debts have been made. Arrangements had been made for the issue of preference shares, Rs. 5,00,000, at the expiry of the year under review, and these have since been issued, and will appear in the next yearly statement of accounts. The general business of the company has steadily increased. The cessation of the war will largely reduce the strain under which the directors and staff have been working owing to shortness of supervising staff, and the gradually increasing facilities for obtaining manufacturing plant will expedite the introduction of post-war manufactures which have been under consideration for some time past.

## Dentists Act Committee.

THE report has been published this week of the "Committee to Inquire into the Extent and Gravity of the Evils of Dental Practice by Persons not qualified under the Dentists Act." It is obtainable from the Stationery Office (Cmd., 33, 6d.). The report consists of twenty-five sections, and contains much that affects the rights of chemists to practise dentistry. Twenty-seven witnesses were examined, the greater number being medical men or dentists. Chemists' interests were represented by Mr. Benson Harries, Secretary of the Chemists' Dental Society, and Mr. J. D. Carse, Secretary of the Dental Society of Ireland. The report first deals with the law of dental practice, the relation of dental disease to the health of the people, and the facilities which exist for dental treatment. Then the education and training of practitioners and the control of the dental profession are considered. The question of unregistered practitioners is next dealt with, and the Committee would make it illegal for unregistered persons to perform dental operations or fit artificial teeth. "The only exception which we think it desirable to make is to permit the extraction of a tooth by an unqualified person on the representation of the person applying that he is suffering from toothache, and also that there is no dentist or medical practitioner available within a reasonable distance. The fee to be charged for such an extraction should be limited to 1s., and no anaesthetic, either general or local, should be permitted." Next follows Section XVII., which we reprint on account of its importance to our readers.

### ADMISSION OF UNREGISTERED PRACTITIONERS TO THE DENTAL REGISTER.

We have recommended in the previous section that unregistered dental practice should, in the public interest, be prohibited under penalty. The effect of an Act giving legal effect to this recommendation would be to prevent all the present unregistered practitioners from continuing in practice. We do not think that such a course would be just or in the interests of the public. Many of the present unregistered practitioners have been in practice for a great number of years; they are held in public esteem in the districts in which they practise; they do not attract custom by objectionable advertising, and many carry on their profession with an ethical exactitude hardly differing from that of the registered dentist. It is not the unregistered practitioners who fulfil these conditions who are a menace to the public, and the Committee would regard it as not in the public interest to prohibit them from continuing to practise.

Existing unregistered practitioners have, moreover, established their practices within the law, which does not prevent them practising dentistry or announcing to the public that they do so. They have acquired a vested interest and established a goodwill in the businesses which they have created. We have received statements and heard witnesses from bodies of unregistered dental practitioners, and we quote the three extracts below as best setting out the claims of unregistered practitioners to continue in practice.

The Incorporated Dental Society, Ltd., stated:

The legal position, therefore, is that an unregistered person has:

(1) An absolute right to practise dentistry.

(2) Is entitled to notify the public that he follows that calling and to take such descriptions of himself or his work as do not amount to an assertion or implication that he had a hallmark in the shape of a degree or diploma which would entitle him to be registered under the Dentists Act, 1878.

(3) That he is entitled to sue for materials supplied and work done to the patients' mouths, and

(4) That although he cannot sue in the Law Courts for fees for dental operations and advice, he is entitled to receive from his patients fees for so doing—much in the same way as a barrister, although he cannot sue for his fees, is entitled to receive an honorarium for services rendered.

It is, therefore, claimed that the unregistered practitioner has a vested right of practice. Upon the faith of this vested right the members of the Incorporated Dental Society have invested money in their practices, spent years in equipping themselves to carry out their professional duties to the satisfaction and benefit of their patients, and devoted in many cases the best years of their lives to dental work. It is submitted that it would be a grievous injustice to them if they were hampered or interfered with in their practices and prevented from reaping the benefit of many years of hard work.

The Chemists' Dental Society of Great Britain and Ireland stated:

Dentistry has been practised by chemists from time immemorial. Dental operations were performed by them and recognised as their proper work long before dentistry became a separate specialised profession, and many chemists have continued so to practise down to the present time. Their position relative to dentistry has never been interfered with by statute, and seeing that they have never desired the distinctive title of

"dentists" they were not as a body affected by the Act of 1878. They have gone on since the Act just as they did before, except that as dentistry has become more highly specialised, fewer chemists in proportion have devoted themselves to it. But in thickly populated industrial areas where registered dentists are few and their fees prove prohibitive to the poorer classes, a greater call has been made on the dental service of chemists, wherein they have rendered useful and efficient public service. In higher class residential districts, where registered men were found more plentifully, the need has not been so great, and chemists have not taken up dental work so largely.

The Dental Society of Ireland stated:

We are legally established in this business (see decisions below) and there it would be unjust to put us out of a business we had sunk capital in and developed, a thing which Parliament never contemplated or does, always respecting the rights of those in any business who are legally engaged in same. For instance, the spirit trade, when compensation has always been insisted on.

[The decisions referred to are not given in the report.—Ed.]

You will see from above that we are perfectly within our rights in practising dentistry, and that we are asking nothing amiss in asking not to be deprived of these rights, and that if an Act is passed we will get the same recognition and legal status as others.

In many parts of the country to prevent unregistered practitioners continuing in practice would be to deprive the public of the only practitioners in the locality practising dentistry, and the shortage of dentists in such areas would produce an intolerable situation.

*The Committee are of opinion that if dental practice by unregistered persons is prohibited, the existing rights of unregistered practitioners should be preserved by adding the names of persons practising dentistry to the Dental Register under specified conditions, who upon being admitted to the Register shall acquire and enjoy the same legal rights, privileges, and status as are conferred by the Dentists Act, 1878, on dentists registered under that Act, and shall be entitled to sue for and recover any fee or charge in any court for the performance of any dental operation or for any dental attendance or advice or for any work done or material supplied. We only wish to qualify this with the statement that a reasonable measure of precaution shall be adopted to ensure that any person whose name is added to the Register was in bona fide dental practice before the date of this report, that this practice formed his means of livelihood, and that he can be trusted safely to practise dentistry upon the public.*

We have received a considerable amount of evidence that every unregistered practitioner should have to pass an examination test before being admitted to the Dental Register. Sir Donald MacAlister was of this opinion. The examination that has been suggested is one that will satisfy a body of examiners that the practitioner is a "safe" man to practise dentistry. Some witnesses representing the registered dentists would be satisfied if an examination test was only applied to those unregistered practitioners who had not been in practice for a period of five years.

Mr. Norman Bennett, on behalf of the British Dental Association, was prepared, if unregistered dental practice was prohibited in the future, to admit existing unregistered practitioners without an examination test, provided they had been in *bona fide* dental practice for a period of five years. We quite appreciate the importance of not admitting to a register any person who is not a "safe" practitioner, but there would be considerable difficulty in examining all unregistered practitioners, many of whom are elderly men who have been in practice the better portion of their lives. The Committee are of opinion that a practitioner who has been in practice for a period of five years has established a vested interest which, combined with the fact that he evidently has satisfied the public in his practice to the extent that he is able to make a livelihood, constitutes a presumption that he meets a public need and may be entrusted to continue his practice. *The Committee are of opinion that any unregistered practitioner or dental assistant who has been engaged continuously in the practice of dentistry by performing dental operations within the mouth for the period of five years immediately before the date of this report should be entitled to have his name entered on the Dental Register on payment of the fee for registration to the General Medical Council.* The applicant should satisfy a competent authority that he has been in practice for the period named, that such practice was his main professional occupation, and produce such evidence as to character as may be required. We are aware that possibly a number of not very competent practitioners may obtain registration, but, apart from the difficulty of examining every unregistered practitioner, the Committee are of opinion that a vested interest of five years' professional work constitutes a valid claim to be allowed to continue his profession if his character be satisfactory.

*Unregistered practitioners in dentistry or dental assistants who have been practising dentistry by operations on the*

month for a period of less than five years before the date of this report should produce evidence that they have been in dental practice and any evidence as to character that may be required. They should further be required, within a period of two years, to satisfy a test of their competence to practise. On satisfying such test their names should be added to the Dental Register on payment of the usual registration-fee. The test which we have in mind is an examination founded on the practical everyday work of a dentist in ordinary practice. The examination should be a practical and oral one conducted by two examiners. The candidate's name should be unknown to the examiners.

We have carefully considered the nature of the authority which should have the administrative duty of deciding which unregistered dentists fulfil the required conditions for registration. We consider that an *ad hoc* Committee of seven, four members of whom (including the Chairman) are nominated by the Lord President of the Council and three by the General Medical Council, would be satisfactory. The Chairman of the Committee should be a layman, and the Secretary should be nominated by the Lord President of the Council after consultation with the Chairman. The regulations governing the procedure of the Committee should also be subject to the approval of the Lord President of the Council. The expenses of the Committee should be paid out of a fixed fee to be charged to all applicants for registration. A second fee should be payable to cover the cost of examination by applicants requiring to pass this test. We wish to emphasise very strongly that every endeavour should be made to choose a Committee which will have the confidence of unregistered practitioners.

Each application to the Committee should be made individually, but we believe that the Committee would be able to lessen its labours without sacrificing the public interest by giving careful consideration to the documents and other evidence placed before us by the Incorporated Dental Society, Ltd. If the Committee should then be satisfied that the conditions required to be fulfilled by unregistered practitioners before admission as members of this Society afford a reasonable equivalent for the inquiries and examination that would be conducted by the Committee, we think that an applicant who claims to be a member of this Society should be admitted to the Dental Register on furnishing proof that he was admitted as a member of the Society twelve months before the date of this report. After consideration of the documents and evidence submitted to us we do not think that any other society of unregistered practitioners has established a claim for special consideration.

We have received statements and heard witnesses from societies representing pharmaceutical chemists and chemists and druggists who practise dentistry. The Committee do not think that it is altogether desirable for one person to practise two professions unless there is some special public advantage. It has long been the custom of many pharmacists to practise dentistry, and frequently it forms but a small portion of their business, being in the nature of a "side line." Chemists who are at the present time unregistered practitioners of dentistry should, we think, be dealt with somewhat exceptionally, and those chemists who may be admitted to the Dental Register should within a period of five years from registration elect which profession they intend to follow, and give an undertaking to the General Medical Council that they will not concurrently practise both the profession of dentist and pharmacist. Any failure to keep this undertaking should involve risk of removal from the Dental Register. We have recommended that for an unregistered dental practitioner to be admitted to the Dental Register he should satisfy a Committee that dentistry was his main professional occupation. As regards unregistered persons practising dentistry whose names are included either in the Register of Pharmaceutical Chemists or in the Register of Chemists and Druggists published by the Pharmaceutical Society of Great Britain, we think in the special circumstances of their case it would be sufficient that an applicant should satisfy the Committee that his practice of dentistry was a substantial one and included all usual dental operations. We think that pharmacists would be suitable persons to undertake in districts where no registered dentist is available the strictly limited dental practice by unregistered persons which we have suggested in the previous section.

The next section (XVIII.) deals with the form of the Dentists' Register and the title to be conferred by registration, and it was considered that every registered practitioner should be entitled to describe himself as a "dentist" or "dental practitioner," but not be allowed to use any other title. The precedents quoted for legislation to prevent dental practice by unregistered persons are the Midwives Act, 1902, and the Venereal Disease Act, 1917.

## Personalities.

MR. T. L. HOLLEY, Ph.C., Ryecroft, Retford, has been nominated a candidate for the Nottinghamshire County Council.

MR. JOHN LAURIE, chemist and druggist, Lytham Road, Blackpool, has been re-elected a Vice-President of the Blackpool Chamber of Trade.

COMPANY QUARTERMASTER-SERGEANT W. G. MATTHEWS has been discharged from the Army, and will resume his former duties as representative for Wyleys, Ltd., Coventry, in a few weeks' time.

MR. JOHN TAYLOR, J.P., chemist and druggist, Lucius Street, Torquay, has been elected President of Torquay Free Church Council and Deputy President of the local Young Men's Christian Association.

LORD LEVERHULME has been elected President of a "Safety First" Association, formed with the object of minimising industrial accidents, of which it is estimated that about 400,000 occur annually.

MR. LESLIE SCHOLES, whose apprenticeship in pharmacy was served with Joseph Brooks & Co., Ltd., chemists, Shudehill, Manchester, has been gazetted second-lieutenant in the Royal Air Force, with effect from September 2, 1918.

SIR GEORGE NEWMAN, M.D., has been appointed principal medical officer to the Local Government Board. Sir George is to retain for the present his position as chief medical officer of the Board of Education and medical assessor to the Universities Branch of the Board.

MR. WALTER H. HARRIS, C.M.G., has been elected chairman and managing director of Hooper, Struve & Co., Ltd., Pall Mall East, London, S.W. For the past twenty years Mr. Harris has been associated with the board of Schweppes, Ltd., as joint managing director and deputy-chairman.

MR. G. A. TOCHER, Secretary of the London County Pharmaceutical Association, 233-6 Bank Chambers, 329 High Holborn, W.C., is anxious to hear from London chemists who will provide sleeping accommodation for delegates to the Conference of Local Associations in April. The difficulty just now of obtaining rooms at hotels is the reason for this appeal.

MR. ERNEST BRIER, manager of the Russian branch of Parke, Davis & Co., Petrograd, has reached this country. He has had some exciting experiences, including several months in prison, and an accusation that he was a spy. Finally he escaped over the frontier—a very risky undertaking at the present time in view of the absence of law in Russia.

SERGEANT FREDERICK GRAHAM GEBBETT, Machine Gun Corps, has been awarded the Military Medal for "gallantry in assisting to remove a machine gun to a threatened flank, thus stopping the enemy's advance." The incident occurred at Etrincourt on March 23, 1918. Sergeant Gebbett has now returned to his duties as a member of the head-office clerical staff of Burroughs Wellcome & Co., London, E.C.

CAPTAIN D. R. THOMAS, M.C., Welsh Regiment, eldest son of Mr. D. R. Thomas, chemist and druggist, Talybont, Cardiganshire (proprietor of Cousins, Thomas & Sons, chemists, Oxford), has returned home from France on demobilisation, and is taking up his studies for the Qualifying examination with a view to succeeding his father in business. Captain Thomas was just nineteen years of age when hostilities broke out. He left for France in the first week of September 1914, and has been on the Western Front during the whole of the war.

## Wills.

MR. WILLIAM SLIMMON, chemical merchant, 79 Montpelier Road, Peckham, London, S.E., who died on October 14, left estate of the gross value of 2,000*l.* 2*s.* 4*d.*, of which 1,643*l.* 4*s.* 5*d.* is net personality.

MR. FREDERICK JAMES HAYWARD SNOW, Hurstpierpoint, Hall Lane, Upminster, of Stewart & Snow, High Street, North East Ham, East Street, Barking, who died intestate on September 5, left estate valued at 8,104*l.* 5*s.* 8*d.* gross, with net personality 5,846*l.* 0*s.* 7*d.*

MR. JOHN BEDDARD, chemist and druggist, Brooklands, Arthur Road, Wimbledon Park, London, S.E., who died on November 9, left 57,523*l.* 17*s.* 3*d.* The testator gives his share and interest in his business in Charlwood Street to William Buddles, and bequeaths legacies to relatives, and the residue to his children.

## Relaxation of Export and Import Prohibitions.

THE following alterations in the existing prohibitions of export have been made by the Board of Trade since our last published list (*C. & D.*, February 15, p. 48) :

### *Headings Transferred from One List to Another.*

From "A" to "C" lists: Coffee essence, including coffee essence containing chicory; syrups which may be used as food for man; radium and its compounds. From "B" to "C" lists: Molybdenum filament; tungsten filaments for electric lamps.

### *Headings Altered.*

<i>Delete.</i>	<i>Substitute.</i>
(A) Fats, all animal and vegetable, and articles and mixtures containing such fats, not otherwise specifically prohibited.	(A) Fats, all animal and vegetable.
(A) Fatty acids and articles and mixtures containing fatty acids, not otherwise specifically prohibited.	(A) Fatty acids.
(A) Honey and all articles, mixtures and preparations containing honey.	(A) Honey.
(A) Invert sugar and articles, mixtures and preparations containing invert sugar.	(A) Invert sugar.
(A) Molasses and feeding-stuffs containing molasses.	(C) Molasses.
(A) Spirits, potable, of a strength less than 43 degrees above proof, except gin.	(A) Spirits, potable, of a strength less than 43 degrees above proof, except gin, brandy, and liqueurs.
(A) Tea, other than green tea, including tea waste, sweepings, dust and fluff, whether denatured or not.	(A) Tea other than green tea.
(A) Yeast and articles, mixtures and preparations containing yeast.	(A) Yeast.

### *Exports without Licence.*

The Director of the War Trade Department announces that the undermentioned goods may now be exported to all non-enemy destinations, including Switzerland, without application to the War Trade Department and without the production of the certificates from Import Associations, etc., which are usually required in respect of exports to neutral countries in Europe. Free export has already been allowed of the majority of these goods, but the list has now been slightly extended and will be the subject of a new Proclamation.

### *List of Free Goods.*

Acetyl salicylic acid; aconite; butyl-chloral hydrate; camomile; dental burs; dental filling materials; digitalis; agaric; althaea-root; amidol and substitutes; argentamin; arsenobillon; arsenous acid; chromic acid; diethylbarbituric acid; duboisin sulphate; eucaine; ichthyol; inula-root; kharisvan; metol; paraldehyde; phenacetin; saltcake; soda arsenate; soda cacodylate; soda salicylate; veronal sodium; ferrum redactum; fenugreek-seed; perfumery, including essential oils; photographic goods, but not chemicals therefor; razors, safety (and blades); salicylic acid; sodium bromide; sodium nitroprusside; artificial teeth; toilet preparations (excluding soap); toothbrushes, beard-brushes, and moustache-brushes.

### *Exports of Oils and Fats.*

The Food Controller gives notice that it has been decided to discontinue sales by auction of oils and fats for export, but he will be prepared to consider bids for the various commodities. Applications in regard to linseed oil, rape oil, castor oil, and fatty acids or acid oils should be made to the United Kingdom Oil and Oilseed Brokers' Association, Ltd., at any of the undermentioned addresses: 14/20 St. Mary Axe, London, E.C. 3; Orleans House, Edmund Street,

Liverpool; 35 High Street, Hull; 82 Mitchell Street, Glasgow. Applications in regard to other kinds of oils and fats should be made to the Ministry of Food (Oils and Fats Branch), New County Hall, London, S.E. 1. The Ministry of Food will support applications for export licences to neutral and allied countries for all material sold under the above arrangement, but will give no guarantee as to the obtaining by the purchasers of any licence or authority necessary for entry to the country of destination. In the case of European neutral countries the purchasers must satisfy themselves that the ration of the country to which they intend to export has not been exceeded, and must obtain the necessary guarantees against re-export to enemy countries.

## Deaths.

**ANDERSON.**—At his residence, 7 Mecklenburgh Square, London, W.C. 1, on February 25, of pneumonia following influenza, Mr. William Crawford Anderson, aged forty-one. Mr. Anderson was born at Banff. On leaving school he attended evening classes at Robert Gordon's College, Aberdeen. While an assistant with the late Mr. John Macmillan, chemist and druggist, Glasgow, he was appointed to a position in the organising department of the National Shop Assistants' Union. In 1905 he left pharmacy for politics, and after two unsuccessful contests was returned to Parliament in 1914; he was unseated at the recent General Election. In 1911 Mr. Anderson married Miss Mary Macarthur, a well-known social worker, who survives him. His brother, the Rev. John Anderson, Hawick, has qualified as a chemist and druggist.

**BROWN.**—At 84 Nithsdale Road, Pollokshields, Glasgow, on February 17, Mr. John Jarvey Brown, chemist and druggist, aged fifty-nine.

**FAIRLEY.**—At Newton Grove, Chapeltown, Leeds, on February 21, Mr. Thomas Fairley, aged seventy-six. Mr. Fairley had been city analyst of Leeds since 1873. A widow survives him.

**INGLIS.**—At 8 Albany Place, St. Andrews, on February 18, Matilda Craig, wife of Mr. George Inglis, chemist, aged thirty-four.

**KENNY.**—At 81 East Park Avenue, Hull, on February 17, Mr. William Berridge Kenny, chemist and druggist, aged thirty-four.

**MORLEY.**—At Beverley, on February 20, suddenly, Mr. Thomas J. Morley, retired chemist, aged sixty-five. Mr. Morley, who had carried on business in Beverley for some years, was a member of the Town Council and a prominent Churchman.

**MUNDY.**—At 6 Douglas Road, London, N. 1, on February 13, Mr. Alfred Octavius Mundy, chemist and druggist, aged seventy-nine.

**PARKIN.**—At "Winton," Tavistock Road, Launceston, on February 14, the wife of Mr. F. B. Parkin, chemist and druggist (manager of the drug department of Shuker & Reed, Ltd., Launceston).

**SIMPSON.**—At New Street, Louth, Lincs, on February 12, Mr. Henry David Simpson, J.P., chemist and druggist, aged eighty. Mr. Simpson passed the Minor examination in 1868, the number of his certificate being 578.

**SLATER.**—At Oxton, Birkenhead, recently, the widow of the late Mr. W. B. Slater, wholesale druggist, Blackburn, aged eighty-nine. The funeral took place on February 22.

**SPROSTON.**—At 118 Rodenhurst Road, London, S.W. 4, on February 17, Mr. Francis John Sproston, chemist and druggist, aged forty-seven. Mr. Sproston relinquished his business last autumn on account of ill-health (*C. & D.*, 1918, p. 774).

**THOMAS.**—At 10 Chester Street, Norwich, on February 12, Mr. David Thomas, chemist and druggist, aged fifty-nine.

**U.K. TRADE RETURNS.**—The Board of Trade propose at an early date to undertake the revision of the classification of goods entered for import or export from the United Kingdom with the object of determining whether the headings under which goods are grouped should be in any way modified for the purpose of increasing their utility to the trading community. The co-operation of all Chambers of Commerce and Associations of Manufacturers and Merchants is invited, and suggestions should be communicated in writing to the Assistant Secretary, Statistical Department, Board of Trade, 68 Victoria Street, S.W. 1.

## British Industries Fair.

THE fifth British Industries Fair, organised by the Board of Trade, was opened on February 24 in the Pennington Street premises of the London Docks, and remains open daily from 10 to 6 until Friday, March 7. The Fair is restricted to the same four trades as last year—viz., paper, printing and stationery, glass and fancy goods, and toys—the total number of exhibitors being 570, or 150 more than last year. A.C. & D. representative walking round on Tuesday noticed quite a number of foreign buyers, and it is anticipated that the export side of the Fair will make considerable progress, as many important developments have taken place during the last four years. According to the figures supplied by the exhibitors at the close of the last Fair, the total orders booked during the eleven days amounted to over a million and a half sterling, but that figure by no means covers the total amount of trade done, as much of the business commenced at the Fair is not completed until long afterwards, and many of the orders there placed are only sample orders.

The Board of Trade have already issued over 80,000 invitations to firms and individuals in the United Kingdom, so that a "record" attendance of trade buyers is anticipated. Glassware and apparatus for the pharmacy and the laboratory are worthily represented by a variety of exhibits; and makers are hoping that once the present difficulties are overcome they will be able to deal promptly with all orders. PERKEN, SON & CO., LTD., have an exhibit consisting chiefly of thermometers—clinical, chemical, and industrial. They are giving prominence to their "Mater" clinical thermometer, which is made in three speeds, with two conspicuous black squares placed on the index so as to indicate a reasonable adult temperature somewhat lower than the sacred 98.4 marked by the arrow. JOHN MONCRIEFF, LTD., are showing flasks, mortars, beakers, and many other specimens of their scientific glassware, which in actual heat-resisting power is found to be entirely superior to the German article of a past day. Another comprehensive display of this kind is that of DUROGLASS, LTD., including bacteriological apparatus, burettes, graduated cylinders, and funnels, the last-named of which are a triumph of nice calculation in their accommodation to the shape of a filter-paper. R. B. TURNER & CO. have an effective display of ampoules, serum flasks, eye-drops bottles, and ligature reels; and there is also a novelty in the shape of a pipette of fine calibre with an opaque scale extremely easy to read. HYPOSOL, LTD., show hypodermic syringes with standardised needles, glass catheters, douche nozzles, breast exhausters, etc. The well-arranged exhibit of R. JOHNSTON & CO., LTD., comprises pocket and other inhalers, ampoules, and containers of many descriptions, including a sterilisable nasal douche. THE GENERAL SURGICAL CO., LTD., have an exhibit consisting of such necessities as serum and transfusion syringes, together with specific-gravity bottles, eye-drops flasks, etc. THERMOS, LTD., display their well-known flasks in all stages of manufacture, as well as liquid-air vessels, and, by way of a curiosity, a "poison-gas cylinder"—apparently quite an innocent affair. DRING & FAGE have an interesting selection of apparatus (mostly technical) on view, including a Thorpe's condenser, Sikes's hydrometers, and thermometers for a variety of trade uses. WOOD BROS. GLASS CO., LTD., have an assortment of glassware of two descriptions—"soft soda" glass and high resistant glass. MR. H. J. ELLIOTT shows graduated glass instruments of every kind, including such unfamiliar species as manometers, photometers, and photosyntometers. JAMES & CO. have a display of bath and other thermometers; JAMES POWELL & SONS make a wide appeal with normal, flint, soda-alumina, and boro-silicate glass, including glass for artificial eyes and glass for x-ray bulbs; the SCIENTIFIC SUPPLIES CO., LTD., have a striking exhibit of condensers and apparatus of many other kinds; and UNITED GLASS BOTTLE MANUFACTURERS, LTD., show carboys, Winchester quarts, and smaller bottles both of the wide- and narrow-mouthed varieties. Brushware of all kinds is quite a feature of the Fair this year, among the firms exhibiting being TITTERTON & HOWARD, who have a handsome glass show-case of their toilet brushware, prominence being given to hair-, shaving-, and tooth-brushes. MR. PERCY P. BAKER has a display of camel-hair pencils, mops, liners, dabbers, etc., a special feature of his throat-brushes being their freedom from dye of every sort—a very important consideration to be kept in view. HENDERSON BROS. & CO. have a corner stand attractively set out with hair-brushes, nail-brushes, shaving-brushes, etc.; while MR. WALTER BOOTH devote his stand entirely to shaving-brushes set in handles of ivory, bone, horn, boxwood, and metals of various kinds. Among the firms exhibiting electrical novelties are WARD & GOLDSTONE, who in addition to a comprehensive display of electric pocket-lamps, hand-lamps,

torches, and portable electric appliances, show medical coil apparatus, hot and cold air douches, and massage vibrators. A full description of these is given in their sectional catalogue, which prospective buyers can obtain on application. THE EFANDEM CO., LTD., have a handsome corner stand replete with electrical novelties, a feature being made of pocket-lamps and dry batteries (refills) of all kinds. ROSE BROS. have a neat display of dry batteries, flash-lamps, electric coils, pocket-lamps, etc., of which they are makers. BERKEFELD FILTER CO. (BRITISH) again show the Berkefeld filter in all the different patterns previously made by the German company. DOULTON & CO. show chemical laboratory porcelain in all forms of apparatus, for analytical and research work, and SLACK & BROWNLOW exhibit the "Brownlow Filter" in different patterns, entirely of British manufacture. THE EBURITE PAPER CO., LTD., occupy considerable space with an exhibit of corrugated paper, corrugated boxes and cartons, crinkled paper, crêpe paper, shelf-paper, globular embossed paper, paper shavings, confetti, garlands, etc., of all which products they are actual makers. JAMES PASCALL, LTD., are manufacturers of confectionery "parlour" shops, patriotic figures, and other novelties for window-displays, all of which are on show. F. W. DUROSE has a neat exhibit of celluloid caps for glass and earthenware pomade jars in various colours and a full range of standard sizes. Prior to the war our supplies of these goods were drawn from Germany, but that is no longer the case. SWISS CELLULOID CO., LTD., among other fancy articles, show celluloid soap-boxes. MONO SERVICE VESSELS, LTD., show the well-known paper food-containers for packing honey, syrup, gums, malt extract, and other semi-liquid and dry goods with which the public is now familiar. D. HARPER & CO. have a good display of pocket-books, letter-cases, writing-cases, blotters, etc., and a full range of their well-known mirror and comb cases, to which have been added some additional numbers, such as cases containing mirror, powder-puff, and powder. Advertising novelties also form a portion of this exhibit. EELES, WALKER & CO., LTD., have a fine display of composite containers in great variety of shape and finish; and containers in metal are a feature of the stand of ELEY BROS., LTD., who have some tastefully arranged glass cases showing soap-boxes and shaving-stick cases. THE WORCESTER ROYAL PORCELAIN CO., LTD., show hard porcelain laboratory ware in standard forms and sizes. A. S. CARTWRIGHT, LTD., have a corner stand chiefly devoted to seamless rubber teats, of which they are actual manufacturers; they are also showing the "Heather" feeding-bottle valve, a new contrivance for regulating the supply of air to the bottle. MR. LEWIS WOOLE shows his "Grip-tight" soothers and other teats for home and export trade. II. ALLNUTT & SONS have an interesting exhibit of filter-papers, "Seidlitz-blue" paper, and photographic mounts. THE PEACE PILLOW CO. have a neat display of their peace pillow, "Esprit de Liège," "L'Air de Vie," "Liusasha" sachets, and "Orlwara" nail-brushes, specialities which are well established in popular favour.

## Business Changes.

MR. L. H. TEARE, chemist and druggist, has acquired the business of MR. B. G. WATSON, Aleister Lane's End.

MR. J. A. DOCTEE, chemist and druggist, late with T. W. & W. Southall, Bull Street, Birmingham, has taken over the business of MR. T. W. CHAPMAN, 189 Bristol Street.

MR. G. W. HALES, chemist and druggist, Watton, Norfolk, has purchased the business carried on for the past twelve years by MR. W. H. STONES, at 21 Tacket Street, Ipswich.

MR. C. A. FORRYAN, chemist and druggist, has acquired the business of MR. S. C. NUTMAN, 75 Hinckley Road, Leicester, who was in business before August 1, 1868, and has been engaged in pharmacy since 1852.

MR. HAROLD COOPER ELLITHORNE, chemist and druggist, has purchased (through Mr. Parkin S. Booth) the business lately relinquished by his father, MR. G. H. Ellithorne, at 29 Wellington Road, Oxtor, Birkenhead.

GEORGE HIGGINS & CO. (proprietor, MR. A. G. Higgins), druggists' sundriesmen, have returned to the City of London; as from March 1 their address is 18 Bartholomew Close, E.C. 1, not far from their old premises in Albion Buildings, which were severely damaged in the air-raid of July 7, 1917.

THE Japanese Chemical Industrial Association have decided to hold an exhibition in Uyeno Park for two and a half months, beginning March 16, 1921. Arrangements are being made with American chemical manufacturers to take part in this exhibition.

## Martyred Belgian Pharmacists.

### II.

THIS series was commenced in THE CHEMIST AND DRUGGIST, January 25, p. 47. These German brutalities were first referred to in the C. & D., August 7, 1915, and being denied by the German pharmaceutical Press, we are compelled to give the details now that these are available.

M. Camille Guillitte, of Andenne, was retiring to bed with a temperature of 104° F. when the Germans entered the town on August 19, 1914. He was forced to get up, to satisfy the invaders' requisitions for medicines. Next day, owing to firing in the streets, the family lay on mattresses in one room, when the door was broken in; they were compelled to go out, were lined up against a wall, and their clothes ripped from their bodies by bayonets, whereupon the soldiers levelled their rifles at them. Madame Guillitte's supplications saved them this time, and they regained their home, seeking refuge in the cellar. Later, the German soldiers again broke into the house, and compelled M. Guillitte's younger son, the grandmother, and Madame Guillitte to proceed to the Place de Tilleul, where they were guarded by machine-guns until told to "go and bury the dead." On reaching their home they descended to the cellar, where a horrible sight was revealed: M. Guillitte's backbone had been pierced by bayonets, his son had been shot dead point-blank, while M. Guillitte's brother lay with the top of his head hacked off by an axe. The soldiers rolled the bodies along the ground with their feet and the butts of their rifles, and one of them seized the body of M. Guillitte by the hair of his head and threw it at his wife's feet. These were the experiences witnessed by the unhappy victim's surviving son, then a boy of fourteen.

At Louvain the following pharmacies were burnt down: Professor Ranwez, whose private house was also destroyed; De Herdt, De Koninck, De Neef, Dubois, Duponcheel, Schoofs; while the pharmacies belonging to MM. De Clerq, Duez, Jacobs, Muset, and Van Gorp were pillaged and looted by the Germans. M. De Koninck was taken away and imprisoned at Aix-la-Chapelle and at Cologne.

At Aarschot, M. Vertruyen refused to flee, and on August 19, 1914, with about 200 fellow-citizens, was lined up to undergo the ordeal of being shot—this time a ghastly pretence, as all were sent home after a fusillade fired in the air. He returned to his pharmacy, and at 5 P.M. delivered to German officers the products they requisitioned. Shortly afterwards a violent fusillade began in the town; some twenty German soldiers broke into the pharmacy, smashing everything they encountered, and drove the family to the Grand Place. Now the men were separated from the women; M. Vertruyen's baby was torn from him. The men were then driven along the Chaussée de Louvain out of the town, divided into two groups, one to be sent to Germany, while the other (in which was M. Vertruyen), seventy-six in all, were butchered by the roadside; he was but twenty-nine years of age, and his wife only heard of his fate several weeks later, and believed him to be a prisoner in Germany.

The district of Herve felt the full force of German barbarity, fed by the assiduously disseminated statements that the Belgian young girls gouged out the eyes of German wounded soldiers. The pharmacies of M. Simonis at Battice, M. Jamsin at Fléron, M. Charlier at Herve, M. Julsonet at Herve, Mademoiselle Clerdent, M. d'Affnay, M. Evrard, MM. Locht and Moons of Visé, and Mme. Lecloux at Barchon were all burnt down.

M. F. H. L. Defrecheux, manager of the pharmacy attached to the Hasard mines at Micheroux, remained true to his duty, assisting wounded soldiers and civilians even during the Belgian retreat, and on one occasion returned home with his hat riddled by bullets. On August 7, 1914, his aid was implored on behalf of two persons still alive who had been saved from the cellar of a burning house, sole survivors of a whole family. He mounted his bicycle and attended to their needs; on his return ride he encountered a German patrol leading three men and a woman; he was stopped and searched, but in spite of his proofs showing that he was a pharmacist he was taken along with the others. After proceeding for some distance they were ordered to sit down on the roadside and cover their faces with their hands. Taking advantage of a moment's inattention, one of the prisoners effected his escape; this infuriated the soldiers, who killed the remaining three men with their revolvers.

One of the most marvellous escapes from death during the general butchery at Dinant, where 800 inhabitants were

massacred, is related by M. Houbotte, of Jauche. On August 11, 1914, while cycling from Hannut to Jodoigne, where he had been visiting a sick relative, he was stopped by a patrol of nine German hussars; the officer made him walk in front of his horse, and told him he would be shot if a Belgian soldier dared to fire upon them. They reached Jauche, and when 200 yards from his pharmacy, transformed into an infirmary for wounded Belgian soldiers of the Third Division, some of whom seized their rifles on catching sight of the German uniforms, M. Houbotte seized this moment to escape down a side street, but he had scarcely run a few paces when one bullet went through his leg and a second one fractured his left foot, throwing him on the ground. He was prodded with lances by the hussars, who left him for dead. They then galloped off towards Folles-Caves, where they were taken prisoners by Belgian soldiers. M. Houbotte later succeeded in reaching England, but not wishing to abuse the generous hospitality of that country obtained a position in a pharmacy at Mostaganem (Algeria).

## New Books.

Austen-Leigh, E. C. *A List of English Clubs in all Parts of the World for 1919.* 4½ x 6½ in. Pp. 188. 5s. (Spottiswoode, Ballantyne & Co. Ltd., New Street Square, London, E.C. 4.) [Contains particulars of over four thousand clubs used by English-speaking peoples in every continent. The lists, which are printed in tabular form, are arranged in the following geographical order: London, the Provinces, Europe, Australasia, America (including Canada and South America), the West Indies, Asia, Africa, and Malaysia. This is the twenty-seventh year of issue.]

Jordan, H. W. *How to Form a Company.* 8½ in. x 5¾ in. Pp. 100. 1s. net. (Jordan & Sons, Ltd.) [The utility of this compendium is sufficiently evidenced by the fact that the present edition is the twelfth. The first appeared in 1913.]

Lovelace, B. F. *Annual Chemical Directory of the United States.* 9 x 6 in. Pp. 534. \$5.00. (Williams & Wilkins Co., Baltimore. Cambridge University Press, Fetter Lane, London, E.C. 4.) [The edition issued in 1918 of this Directory will be welcomed by the chemical and drug trades in the United Kingdom in view of the substantial business which is now being done between the United States and the United Kingdom. The number of pages in the directory has increased from 305 to 534, this edition containing approximately 70 per cent. more information than the first one, published in 1917. The material in the book has been carefully prepared, and presents a comprehensive list of the makers and dealers in chemicals, oils, colours, dyes, synthetic products, and the like, there being altogether nine chapters in the work.]

Moor, C. G., and Partridge, W. *Aids to the Analysis of Food and Drugs.* Fourth edition. 6½ in. x 4 in. Pp. 268. 4s. 6d. cloth, 4s. paper cover. (Baillière, Tindall & Cox.) [One of the most useful small books on analysis that we know of. Chemists and druggists who desire a knowledge of the chief analytical methods used in testing foods and drugs will find the present edition valuable. The authors manage to compress in a small space a good deal of information; even that on pharmaceutical articles, which only occupies about twenty pages, is well done.]

Pickering, G. F. *Aids in the Commercial Analysis of Oils, Fats, and their Commercial Products: A Laboratory Handbook.* 9 in. x 6 in. Pp. 153. 7s. 6d. (Chas. Griffin & Co., Ltd.) [The first three sections deal with sampling and the general physical and chemical processes employed in oil analysis, and then groups of substances—e.g., fatty oils and fat-splitting products—are particularised. The chapter on glycerin follows the methods of the International Committee, with notes from the author's experience. The author is a works chemist, and has given the practical side of the oil chemists' work in a concise and useful manner.]

Salmon, E., and Worsfold, J. *The British Dominions Year-Book, 1919.* 8½ in. x 5½ in. Pp. 288. 1s. (Eagle, Star and British Dominions Insurance Co., Ltd.) [A review, illustrated with charts, maps, etc., of the world's progress during 1918. Among the contributors are the Right Hon. J. R. Clynes, M.P., Lord Leverhulme, and Professor J. S. S. Braine, the last of whom writes on "The Sphere of the Chemist." Economic problems such as those of coal and oil are dealt with by means of statistical tables that merit careful perusal. A list of contents and an index are provided.]

## Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

### DRINKING METHYLATED SPIRIT.

The Home Secretary's attention is being directed to the increased drinking of methylated spirit among women, and the right hon. gentleman was asked what steps he proposes taking to prevent the practice.

The reply was that the evil is not a new one, and that preventive measures are under consideration.

### SUMMER TIME.

The Home Secretary announces that summer time will be brought in force this year on the morning of Sunday, March 30, and will continue until the night of Sunday-Monday, September 28-29. Last year the change took place a week earlier, and in France this year summer time will begin on March 1.

### FOOD STOCKS.

In the course of a reply in the House of Commons on February 20, the Minister of Food stated that on February 1 there were 28,900 tons of lard in this country, of condensed milk 32,200 tons, and of tea 63,000 tons. Tea is to be freed from control at an early date. The sale of condensed milk has been freed and a reduction taken place in the price.

### THE DENTISTS ACT REPORT.

It is certain, writes our Parliamentary correspondent, that the President of the Local Government Board will be invited almost immediately to state what action it is proposed to take in regard to the recommendations of the Departmental Committee on the Dentists Act presided over by Mr. F. D. Acland, M.P. The report of the right hon. gentleman and his colleagues has produced a considerable sensation, and it will not be without its effect upon the Ministry of Health Bill, which has just been introduced.

### CHICLE GUM.

In reply to a question in the House of Commons on February 20, Mr. Bridgeman, on behalf of the Board of Trade, stated that the import of chicle gum is not prohibited. During the currency of the "permit to purchase" system which operated in regard to all goods from the United States and which was introduced at the request of the American Government, gum chicle was for all practical purposes precluded from being shipped. With the abandonment of the system, gum chicle may now be freely imported.

### WASTE AMATOL.

Sir Richard Winfrey, on February 20, asked the Minister of Munitions whether instructions had been given to deposit 1,000 tons of amatol in the sea off the Lincolnshire and Norfolk coast, and whether the ammonium nitrate which the explosive contains could not be extracted and used as a fertiliser.

Mr. Kellaway, who replied, said that the amatol only contains 10 per cent. of ammonium nitrate, and could not be extracted profitably.

Sir A. Griffith Boscowen informed Sir Richard that the amatol is not to be dumped overboard in localities where it is likely to do damage to fisheries.

### MINISTRY OF HEALTH BILL.

Dr. Addison moved the second reading of the Ministry of Health Bill in the House of Commons on February 26. His speech dealt with the overlapping that occurs at present in different Government Departments dealing with matters of public health. Referring to the proposal to transfer the Medical Research Committee of the National Insurance Commission to the Privy Council, he explained that this was done so that the Committee might occupy a detached independent position and be the servant of all. Sir D. Maclean touched upon this anomaly of the Bill. Sir Watson Cheyne urged the need for a real Advisory Council for the President of the Ministry, as he will not always be a medical man. The Bill was read a second time.

### PATENT-MEDICINE LEGISLATION.

Sir Henry Norman, Bart., M.P., who was Chairman of the Select Committee on Patent Medicines, is asking the Home Secretary to-day (Thursday) if his attention has been called to the increase of advertisements of patent and proprietary medicines of the classes described as contrary to the public interest by the report of the Select Committee on Patent Medicines, 1914; if a Bill to give effect to the recommendations of that Committee has been drafted; and will he state if it is the intention of the Government to introduce such a Bill.

The Home Secretary replied that advertisements referring

to venereal diseases have already been dealt with in the Venereal Disease Act. The whole matter is, however, under consideration.

Our Parliamentary correspondent adds that a Bill, founded upon the recommendations of the Norman Committee, was drafted by the Home Office soon after the termination of that inquiry, but with other proposed departmental legislation was inevitably postponed on the outbreak of war in 1914. It is even now doubtful whether, although hostilities are at an end, the Government could at the moment add to their already over-loaded legislative programme, at any rate this Session.

### "DERBY" RECRUITS.

In the House of Commons on February 25 Colonel Yate asked the Secretary of State for War whether, considering that soldiers who attested prior to January 1, 1916, were told at the time of attestation by the recruiting officer that they were soldiers as soon as they attested and drew one day's pay and ration allowance, and that, although not called up to join the Colours till a later date to suit the convenience of the War Office, these men consider that the authorities are not keeping faith with them in refusing to take their attestation into account for demobilisation under Army Order No. 55 of 1919, and thus specially penalising them for their voluntary action in attesting, he will reconsider the question and permit these men to reckon their service from the date of attestation.

Mr. Churchill replied that the men referred to did not join the Colours until after January 1, 1916. The test adopted by the Government to determine whether a man shall be retained for the Armies of Occupation is length of service actually given to the State and not the liability to serve.

Other questions referring to the same point have been asked and the answers have been to the same effect.

### EMBASSIES COMMERCIAL SECRETARIES.

Sir A. Steel-Maitland, of the Department of Overseas Trade, stated in the House of Commons on February 20 that thirteen appointments have been made to posts as Commercial Counsellor or Commercial Secretary to British Embassies. The names and appointments are as follows:

ARGENTINE.—Mr. H. O. Chalkley, Commercial Secretary (Grade 1); H.B.M. Legation, Buenos Aires; formerly of H.M. Consular Service; appointed Commercial Attaché at Buenos Aires, January 1916.

BELGIUM.—Mr. J. E. McCulloch, Commercial Secretary (Grade 1); H.B.M. Legation, Brussels; from 1905-18 Manager of the Indian and Overseas Department of Messrs. Cox & Co., 16 Charing Cross, S.W. 1. Mr. M. N. Kerney, Commercial Secretary (Grade 2); H.B.M. Legation, Brussels; unsalaried Vice-Consul at Antwerp, 1907-14; subsequently Secretary to Belgian Trade Committee.

BRAZIL.—Mr. E. Hambloch, Commercial Secretary (Grade 1); H.B.M. Legation, Rio de Janeiro; Acting Consul-General at Rio de Janeiro, 1910-14; appointed Commercial Attaché at Rio de Janeiro in January 1916.

CHINA.—Mr. H. H. Fox, C.M.G., F.R.G.S., Commercial Counsellor; H.B.M. Commercial Counsellor's Office, Shanghai; formerly of H.M. China Consular Service (1890-1917); appointed Commercial Attaché in China in April 1917. Mr. O. A. W. Rose, C.I.E., Commercial Secretary (Grade 2); H.B.M. Legation, Peking; formerly of H.M. China Consular Service from 1898; employed as Assistant Commercial Attaché in China from February 1915.

FRANCE.—Mr. J. Addison, Commercial Counsellor, H.B.M. Embassy, Paris; of H.M. Diplomatic Service; appointed an Assistant Secretary to the British Plenipotentiaries at the Second Peace Conference at The Hague, 1907; appointed Assistant Commercial Attaché in connection with blockade work at Paris in August 1917, and subsequently Commercial Adviser on blockade matters.

GREECE AND SERBIA.—Mr. E. C. D. Rawlins, Commercial Secretary (Grade 1); at the Department of Overseas Trade; formerly of H.M. Levant Consular Service; Vice-Consul at Canea, Crete, 1911-17, and from September 1917 in charge of the Oriental Section of the Department of Overseas Trade.

ITALY.—Mr. E. Capel Cure, Commercial Counsellor, H.B.M. Embassy, Rome; has lived many years in Italy, where he has acted as correspondent to "The Times"; holds an engineering degree in an Italian University; temporary appointment as Assistant Commercial Attaché at Rome, January 1917.

JAPAN.—Mr. E. T. F. Crowe, C.M.G., Commercial Counsellor; H.B.M. Commercial Counsellor's Office, Yokohama; formerly of H.M. Japan Consular Service, 1897-1906; appointed Commercial Attaché in Japan, April 1906. Mr. H. A. F. Horne, Commercial Secretary (Grade 2); H.B.M. Commercial Counsellor's Office, Yokohama; formerly of H.M. Japan Consular Service, 1902-1918.

RUSSIA.—Mr. J. Picton Bagge, Commercial Secretary (Grade 1); H.B.M. Consul-General, Odessa; has served in various posts in H.M. Consular Service in Russia from 1905, and, since 1915, has been acting Consul-General at Odessa.

SPAIN AND PORTUGAL.—Mr. H. M. Villiers, M.V.O., Commercial Secretary (Grade 1), 22 Montalban, Madrid; Consul at Malaga, 1913-14 and 1915-18.

In addition to the above, Sir F. Oppenheimer, K.C.M.G., and Mr. E. Weakley, C.M.G., who are at present working at the Foreign Office, still hold appointments as Commercial Attachés under the old scheme.

## Trade Notes.

**SOLID BRILLIANTINE.**—A new form of packing for solid brilliantine is figured in the advertisement of Arthur H. Cox & Co., Ltd., manufacturing chemists, Brighton.

**LIQUID GLUES** for labelling tin and glass containers are special lines with the Grove Chemical Company, Ltd., Crown Works, Appley Bridge, Lancs., whose advertisement appears in this issue.

**CHANGEABLE LETTER SIGNS.**—It appears that through a clerical error the name of the Dominion Trading Co. was omitted from the index to advertisers in last week's issue. The advertisement appeared on page 6.

**AMERICAN EXTRACTS.**—A special house for powdered and solid extracts of American drugs is J. L. Hopkins & Co., drug merchants, New York, U.S.A. The company's advertisement gives details of the particular products dealt with.

**FOURTY-FOUR HOURS' WEEK.**—The interesting announcement is made in the advertisement in this issue of W. B. Cartwright, Ltd., Rawdon, Nr. Leeds, that the staff of girls employed by the company have worked on the forty-four hour week system for the past three years.

**THE LYONS FAIR.**—The exhibition of Allied products which opens at Lyons on March 1 promises to be the most successful of its kind. Among the exhibitors are Stafford, Allen & Sons, Ltd., Cowper Street, London, E.C. 2, who are showing essential oils and pharmaceutical preparations.

**VAPO-CRESOLENE.**—Allen & Hanburys, Ltd., Bethnal Green, London, E. 2, have now ample stocks of vapo-cresolene (war emergency outfit) and cresolene to meet all immediate requirements. These vaporisers, owing to their germ-destroying power, are extremely useful for purifying the air in cases of influenza.

**INFLUENZA TREATMENT.**—Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C. 4, call attention to pulverettes of quinine and cinnamon in the prophylaxis and remedial treatment of influenza. The use of Stokes' nasal inhaler is a good way of ensuring that volatile disinfectants reach the nasal passages and the throat.

**"SANITAS" PRICE.**—On and after March 1 the retail price of the small size of "Sanitas" fluid will be 10d. The "Sanitas" Company, Ltd., Locksley Street, Limehouse, London, E. 14, in calling attention to this, mention that a new price-list cancelling all previous issues, and containing important changes, comes into force on the same date.

**CALVERT'S TOOTH POWDER.**—F. C. Calvert & Co., Bradford, Manchester, inform us that they expect to resume the supply of the 6d. tins of Calvert's carbolic tooth powder at the beginning of April. The 1s. and 1s. 6d. tins are already on the market, and it is possible that in most cases chemists will be able to sell the larger sizes where customers require 6d. tins.

**CRAVEN'S PILES CURE.**—Mr. G. A. Craven, 342 Bensham Lane, Thornton Heath, Surrey, has sent us a sample of "Craven's Cure for Piles." It is in the form of a pale yellow ointment, and is packed in tins to sell at 2s. 6d. each. Mr. Craven tells us the cure was evolved by experiments upon himself, and his good opinion has since been backed up by numerous testimonials from other users. The trade is supplied direct from the maker.

**"STANDARD" RETAIL PRICE-LIST.**—The February edition of this list was delivered late owing to the death of the printer concerned in its production. Mr. Charles Philip, chemist and druggist, 23 High Street, Herne Bay, in sending us a copy, explains the cause of the unavoidable delay. We note that the list is printed on a larger sheet, and that it contains eleven more pages devoted to drug-prices. Each copy costs 1s. 3d., but the annual subscription is 9s., post free.

**WINOX, LTD.**, Kew Foot Road, Richmond, Surrey, whose advertisement appeared in the last issue, inform us that they are able to supply a limited number of unrationed customers during the present restrictions, provided that such customers produce a certificate from a medical man that he is recommending Winox to his patients. War conditions have not been able to affect the appearance and finish of Winox, which remains a typically elegant preparation with an attractive "bouquet" and flavour.

**ITALIAN OLIVE CROP.**—The Italian olive crop amounted to 1,285,500 tons in 1917, compared with 1,292,200 tons in 1916, and as compared with 1,085,400 tons which was the average for the eight-year period 1909-1916. The provinces of Apulia, Calabria, Sicily, Tuscany, and Liguria, in the order named, yielded the largest quantities.

## Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped.

(From "The Trade-marks Journal," January 15, 1919.)

"NILFEL"; for agricultural chemical dressings (2). "NUTRIGEND"; for animal foods (42). By Hawker & Botwood, Ltd., 59 Marl Lane, E.C. 3. 385,619/246.

"BALMOLINE"; for medicinal chemicals (3) and for perfumery, etc. (48). By E. C. Haag and W. Rodgers, 73 Sandgate Road, Folkestone. 384,550/1. (Associated.)

"NASOTONE BRAND CATARRH REMEDY"; for a catarrh medicine (3). By Boot's Pure Drug Co., Ltd., Station Street, Nottingham. 385,409.

"MELCAENIS BRAND A MEDICATED WINE"; for a medicated wine (3). By W. C. Campbell, 64 Haymarket Terrace, Edinburgh. 375,514.

"BARGAL," "BARCAD," "DRUCOL"; for all goods (3). By H. Miller, 389 High Street, Cheltenham. 385,613/4/5. (Associated.)

"OAK LEAF"; for a corn cure (3). By W. W. Brown, 26 Haymarket Terrace, Edinburgh. 385,696.

"BEREROID"; for medicinal chemicals (3). "CHILTERN CHARM"; for perfumery, etc. (48). By T. M. Ashford, 16 Market Square, Aylesbury. 385,736/7.

"THE RED BAND CHEMICAL CO."; etc., on label device ("Red Band" disclaimed); for medicinal chemicals (3). By The Red Band Chemical Co., Richmond Terrace, Dalry Road, Edinburgh. 385,845.

"NOVARSOLEN," "GAARSINE," "BIOSULFOL," "CUPRASE"; for medicinal chemicals (3). By F. L. Ducatte, 191 Rue St. Honoré, Paris. 386,419/20/22/45.

"WHEEL" under picture of steering wheel for medicated soap and glycerin (3), glycerin (4), goods (47), and perfumery, etc. (48). By W. Gossage & Sons, Ltd., Widnes, Lancs. 386,451/2/3/4. (Associated.)

"PUROVA"; for food-substances (42). By David & Howe, White Star Chambers, Fish Dock Road, Grimsby. 385,735.

"GELOZONE" on circular device; for food-substances (42). By M. Malcolm, 44 Harrington Road, South Kensington, S.W. 7. 386,197.

"RAMISAIG" and "STRATHOR," "KINSHONA"; for foodstuffs (42). By A. Caldwell, 92 Fleet Street, E.C. 4. 386,493/4/5.

"VICTORY"; for mineral waters, etc. (44). By Cantrell & Cochran, Ltd., 2/1 Nassau Place, Dublin. 386,094.

Device of man shaving; for shaving and toilet brushes (50). By American Safety Razor Co., Corner of Johnson and Jay Streets, Brooklyn, U.S.A. 382,496.

(From "The Trade-marks Journal," January 22, 1919.)

"HELVETIA" over picture of same ("Helvetica" disclaimed); for chemicals (1 and 2), medicinal chemicals (3), goods (4), scientific instruments, etc. (8), surgical instruments, etc. (11), perfumery, etc. (48). By M. C. Steinman, 34 Fenchurch Street, E.C. 3. 385,623/624/625/626/627/629/642. (Associated.)

"ARLANITE"; for chemicals (1). By Harland & Little, Ltd., Cross House, Westgate Road, Newcastle-on-Tyne. 386,632.

"MAGNA"; for chemicals (2). By A. Healy, 81 West Street, Drogheda. 384,190.

"NER-VIX"; for goods (3). By J. H. Cooper, 62 Westbourne Road, Huddersfield. 385,496.

"ESPA BRAND MEDICINAL OIL"; for medicinal oil (3). By J. P. Jones, R. H. Griffith, H. P. Griffith, and Jane E. Griffith, The Lodge, Glander, near Wrexham. 385,520.

"CITROLBENA BRAND AN INHALANT"; for an inhalant for influenza, etc. (3). By D. L. Evans, 32 Harrington Road, South Kensington, S.W. 7. 386,300.

Device of letters "J P"; for surgical goods, etc. (11). By J. Pillischer, 88 New Bond Street, W. 1. 384,425. (Associated.)

"FERLAC"; for baking powder (42). By S. Gibson, 71-75 King Street, Belfast. 382,926. (Associated.)

"DEXTROSOL"; for food-substances (42). By Nicholls, Nagle & Co., Ltd., Trafford Park, near Manchester. 385,202.

"MALTOGEN" on label device; for a malt food preparation (42). By Parke's Drug Stores, Ltd., 65 Harmood Street, London, N.W. 1. 385,555. (Associated.)

"DIASAN"; for confectionery (42). By J. Pascall, Ltd., 100 Blackfriars Road, S.E. 1. 385,816.

"REMIDO" under device of bar of music; for hair dyes (48). By G. Baillet, 22 Neale Crescent, London, N.W. 4. 385,855.

"CASCOLINE"; for mouth washes (48). By Claudius Ash, Sons & Co., Ltd., 5-12 Broad Street, Golden Square, London, W. 1. 386,157.

"RA-KAM-TA"; for perfumery, etc. (48). By W. H. Hoare, 85 Corporation Street, Manchester. 386,721.

## Information Department.

### INFORMATION WANTED.

65/23. Kreochyle Company's products	52/72. "Taxi" dentrifrice
	55/13. "Hydrolene" for asthma
62/50. Hockin's asthma powder	56/38. "Psychea" toilet cream
66/38. Petrosol Thymol Co.	
66/55. "Formintol"	69/51. "Osocoosi" hot-water bottle
63/47. Melcherin pastilles	68/64. Ichthosan
63/49. "Levasco"	

### INFORMATION SUPPLIED.

"Anzac" suspensory, 62/34	Fairv's cachets, 19/54
Bow's liniment, 62/35	"Feluna" pills, 49/2
Capsule machinery, 62/55	"Ferrinol," 16/29
	Formaldehyde, 60/60
Caustic points, 59/41	

## Observations and Reflections.

By Xrayser II.

### Your Recent Apology

for the Council's borrowing propensities does not amount to an exoneration, even as regards borrowing from the old Benevolent Fund only. To have got into a habit of borrowing is to have got into a vicious habit which cannot be justified by simply pleading it. But borrowing from the Auxiliary Fund cannot be excused even on this poor ground. Regard being had to all the circumstances and the manner in which the Fund has been boomed as an urgent necessity, a patriotic duty, a tribute to the heroes who have suffered for us, and the rest of it, there is only one word that fits the transaction, and I use it deliberately : it was damnable. The most damning feature is the profound secrecy in which it was kept. When I last referred to the subject I said that if a proposal to borrow from this Fund had been made it would have aroused a chorus of indignant protest. A whisper has reached me to the effect that it actually was proposed in Council, and received with such disapproval that it was understood to have been dropped. The loan has now been repaid. Why? Because the Council had an uneasy conscience with regard to it?

### High Jinks,

as readers of Scott will remember, is a game to which Mr. Pleydell, an eminent member of the Scottish Bar, was addicted on "Saturday at e'en," but which that sober-sided Englishman, Guy Mannering, thought more amusing than dignified. Our versatile Scottish President seems to partake of Mr. Pleydell's frolicsome humour; let us hope that he also shares his shrewd good sense and business ability! The song with which Mr. Currie favoured the diners at Anderton's, "Phil the Fluter's Ball," is a comparatively mild form of high jinks, but its irresistible stimulation of the light fantastic toe brings it within the same category, and the sight of a middle-aged gentleman, with a learned Society's chain of office about his neck, dancing a jig after dinner must have been extremely diverting. Hilarity is, too, a good digestive. Mr. Pleydell, we are told, went to church after his display of high spirits: at Anderton's they took a collection, and no doubt the President's "hilarious trifle" helped to swell the total contributed to the Benevolent Fund. It must have been worth the whole 2*l*. 15*s*. 6*d*.

### The Whitley Trade Councils

do not, according to Mr. Sargeant, concern us; pharmacy stands "apart" from such sordid affairs; the pharmacist and his staff do not occupy the positions of employer and employed, but are colleagues, all on an equality with each other, engaged in a great unselfish work without, I presume, any thought of personal profit or advantage, much less of separate and perhaps conflicting interests. It is a pretty picture, but is it true? It does not accord with my experience as an assistant, nor with the behaviour of some of my own assistants since I became an employer. It may be an ideal at which we should aim, but it is one we have as yet very imperfectly realised. I do not think assistants generally will accept it as anything more than this, but possibly some of them may be so dazzled by its beauty as to be made blind to the desirability of a Whitley Council for the drug trade. How many of them know definitely what these Councils are intended to accomplish? How many have more than the very vaguest idea of what the Whitley Report was? It has been suggested that Government, following up the success of its recruiting advertisements, should advertise this among other measures intended for the good of the country and for the success of which the active co-operation of the community is necessary. The idea is an excellent one, and Mr. Sargeant's utterance in North London shows that employers require enlightenment on the subject.

### Mr. Cyril B. Snow

says that the proposal to admit dispensers to the Minor without examination has not the slightest chance of maturing, and there is therefore no reason for us to alarm ourselves about it. If I am not mistaken he will know better before very long. Is he aware that the proposal is still under consideration by the Council, and will certainly come up for decision at an early meeting? When that happens the by-law giving effect to it will almost certainly be presented, and, if it is, the probability is that it will be accepted and passed. These things are arranged in Committee, and what the Committee arranges the Council adopts. I say again that I am not against such a deal with the apothecaries as some of your correspondents advocate, and every one of the proposals Mr. Snow himself makes I have urged time and again, but none of these is provided for in the new by-law as it is said to be shaped or shaping. I would urge all who have the matter at heart to lose no time in pressing their views upon the Council; if we do not at once strengthen the hands of those members of Council who are opposed to the scheme we are lost.

### The Discussion at Leeds

of Mr. Woolley's paper on "New British Industries" was one of the most notable talks on things pharmaceutical that have been reported for years, and it must have been gratifying to the writer to find his various points taken up so intelligently and with so keen an interest. Some of the suggestions thrown out were hardly practicable—the making compulsory of strictly scientific names for all new products, for instance, desirable as it might be in itself, would be inimical to home as well as to foreign manufacturers, and would therefore be opposed by them—but many very valuable comments were made on the paper, which showed a true sense of the importance of the subject and an alertness of mind with regard to it that is of good augury for our future. Personally, I doubt whether at present anything very helpful can be added to Mr. Woolley's own statement of "A Drug-trade Policy," beyond filling up what he necessarily left in outline, but it is of the utmost importance that we should keep our eyes bent in that direction and our minds open to all the possibilities that circumstances may offer.

### Mr. George Lawson Johnston,

Chairman of Bovril, Ltd., set forth, at the company's annual meeting the other day, his view of "scientific protection." It comes to this, that protection must not hit the British manufacturer. Bottles were what Mr. Johnston had specially in mind, and his point was that to tax foreign bottles while Bovril, Ltd., was short of them would interfere with rather than help a home industry. This, no doubt, is true, and the principle may be applied to any commodity. But when we have enough of a thing, or can produce it as cheaply as is necessary, then tax away. What is so attractive in this view is its simplicity. We have only to determine when things are cheap enough, and there we are. There are, indeed, two questions that may occur to the morbidly inquisitive: When are things cheap enough? Will they ever be cheap enough if we stop the foreign competition that has hitherto been the great cheapening agent? But such considerations are, of course, unscientific.

### March 1,

as all the world knows, is St. David's Day, and St. David is the national saint of our esteemed Secretary—not to mention the Prime Minister. He might also claim a tribute from us pharmacists as a famous healer, if any credit is to be given to his legendary history, for he had marvellous gifts that way, even to the raising of the dead, and he began his miracles before he was born. It is said, too, that he gave their virtues and salubrity to the Bath waters, but I am afraid Bladud was before-hand with him there. His serious history is authentic enough (in parts), and he appears to have deserved the honours done to him not in Wales only but, at one time to a still greater extent, in England.

# "SANITAS"

NON-POISONOUS  
DISINFECTANTS

FLUIDS, POWDER, SOAPS & APPLIANCES

Should be stocked by all Chemists.

THE "SANITAS" CO., LTD., LIMEHOUSE, LONDON, E. 14

S.V.R. — S.V.M.

AND

CHEMISTS' WINES.

Jas. Burrough Ltd. D.1 Cale Distillery, Hutton Rd., LAMBETH, S.E. 11.

## Essential Oils AND Aromatic Chemicals

W. MAUmann, 48 Charterhouse Sq., London, E.C. 1.

An announcement of particular interest to you appears in this issue on page xlviii

*Hether's Concentrated liquors*

FOR TINCTURES.

For Proprietary Preparations no dilution with Spirit is necessary, thus effecting an enormous saving in cost, without any sacrifice of efficiency.

## Editorial Articles.

### Sulphuric Acid and Fertilisers.

The Report of a Departmental Committee appointed to consider the post-war position of the sulphuric-acid and fertiliser trades was issued on February 20 as a White Paper [Cmd. 23, 2d]. The Committee was appointed by the Minister of Munitions, and the Report, with certain omissions and modifications necessary in the national interest, was published by the Board of Trade in February 1918 (see *C. & D.*, April 13, p. 43), but the Report in its complete form is now published for the first time. It is well known that there is a large surplus of sulphuric-acid plant in this country, and the problem which the Committee set out to solve is to provide a remunerative outlet for the surplus acid which may be expected over the pre-war production. The Committee consisted of:

Mr. Edward Shortt, K.C., M.P., Chairman.

Mr. Hon. F. D. Acland, M.P., Food Production Department, Board of Agriculture.

Mr. Percy Ashley, Board of Trade.

Mr. A. P. Cross, Vice-President, Fertiliser Manufacturers' Association.

Mr. W. S. Curphey, Chief Inspector under the Alkali Act, Local Government Board.

Mr. R. R. Enfield, Ministry of Munitions.

Mr. F. W. Harbord, Ministry of Munitions.

Mr. E. J. Harding, Colonial Office.

Sir William Pearce, M.P. (Spencer, Chapman & Messel, Ltd.).

Mr. R. G. Perry (Chance & Hunt, Ltd.).

Mr. Howard Spence (Peter Spence & Sons, Ltd.).

Mr. R. J. Thompson, Ministry of Food.

Mr. D. Milne Watson, Chairman, Sulphate of Ammonia Association.

They held twenty-two meetings and examined sixteen witnesses, and altogether a valuable amount of technical and statistical first-hand information was obtained. Briefly, it may be said that the Report, which comprises twenty-two sections, deals with the sulphuric-acid trade and fertiliser industries before and during the war; the development of the zinc industry during the war and its influence on the acid situation; the probable post-war consumption of sulphuric acid; agricultural policy; the organisation of the sulphuric-acid trade; reduction of output; financial proposals; zinc concentrates; H.M. factories; cost of production; and concludes with a summary of recommendations, the latter urging that in the exercise of any compulsory powers given by the Corn Production Act every possible step should be taken to extend the use of fertilisers, which should be sold to the farmers at reasonably low prices. The educational work of the Board of Agriculture in this direction should, the Committee believes, be continued and extended. The farmer is slow to adopt new methods, and on this account it is urged that no effort should be spared to bring home to him the importance and the economic and financial advantages of an increased use of fertilisers. As a matter of fact it is estimated that the post-war production gives a gross surplus over the pre-war production of 653,000 tons 100-per-cent. acid, or 979,000 tons chamber acid per annum, this estimate being based on the assumption that no scrapping of plant takes place; and the Committee look to the increase in the use of artificial fertilisers to absorb a large proportion of the surplus. The dye industry absorbs 30,000 tons of sulphuric acid per annum, but the Committee do not regard this industry (although the consumption of acid may undergo considerable expansion) as likely to be an important factor in the relief of the surplus or redundant stocks. Prior to the war the consumption of 100-per-cent. sulphuric acid was taken up chiefly in the manufacture of super-phosphates (300,000 tons), ammonia sulphate (280,000 tons), bleaching powder, alkalis, etc. (186,000 tons), iron pickling (70,000 tons), copper sulphate (25,000 tons), practically another 100,000 tons being absorbed by various industries. At the present time these industries are not capable of absorbing the whole of the possible output, and it is suggested that a National Association of Sulphuric-acid Manufacturers should be formed to co-operate in the solution of the problems to be faced—i.e., to deal with the surplus of producing-plant corresponding at least to 350,000 tons 100-per-cent. acid per annum. The *pro-rata* reduction of output, the scrapping of certain plant, and the shutting-down of certain other plants is discussed. The *pro-rata* reduction is regarded as "fundamentally wrong," as it would have the effect of maintaining in operation the less efficient plants and thus unduly enhance the cost of production, while for those plants which have to be scrapped compensation out of public funds is recommended. The effect of the importation of Australian zinc concentrates on the sulphuric-acid and fertiliser trades is dealt with at length by the Committee. Sulphuric acid is a by-product in the roasting of concentrates, and the Avonmouth plant alone, already at work, will produce 70,000 tons of acid per annum, or 200,000 tons of super-phosphates. The marketing of the acid will have to be carefully handled, and the proposal is made that a Joint Committee of the various Associations should be formed. Among other recommendations made by the Committee is the suggestion that arrangements should be made with shipping, railway, and canal companies for cheap and adequate transport of raw materials, acid and fertilisers, and that cheap freights should be arranged for the carriage of fertilisers to any part of the Empire or any Allied or neutral country where an opening for a market may offer. They also propose that the Government should take immediate steps by international commercial treaties, or otherwise, to secure an effective and permanent control or command of an adequate supply of phosphate rock, and that arrangements should be made in advance for the importation of it immediately on the termination of the war.

### Dentists Act Committee.

CONSIDERING the constitution of the Committee and the fact that most of the witnesses were Civil servants, medical men, or dentists, it is obvious that the evidence given before the Dentists Act Committee by the representatives of unregistered practitioners must have impressed the Committee. We give an abstract of the report in another part of this issue and print in full Section XVII., which concerns chemists who practise dentistry. The report contains many pious platitudes, and the Press is lectured because it is alleged to have neglected to instruct the public upon the necessity of preserving the teeth! The facts that there is an acute shortage of qualified dentists, and that the fees charged by dentists are out of the reach of the poor, have apparently not been fully appreciated by the Committee. It is recommended to make it illegal for anyone but a registered dentist to extract a tooth except in cases where a person is suffering from toothache and there is no dentist or medical practitioner within a reasonable distance. Even then the wretched sufferer must be taught how wrong it is of him to have toothache away from dental advice, so he is not to be allowed any general or local anaesthetic to ease the pain of extraction. The precedents quoted for the recommendation to prohibit entirely the practice of dentistry by unregistered persons are the Midwives Act, 1902, and the Venereal Disease Act, 1917, neither of which Acts appears to have the slightest bearing upon the mechanical operation of fitting artificial teeth. An annual licence fee of 5*l.* is recommended, the money thus obtained to be applied to the expenses of a Dental Board, the provision of scholarships, aid to dental schools and dental research. Dental companies are to be especially controlled, the operating and managing staff being required to be registered dentists. Probably we have to thank the evidence of Mr. Benson Harries and Mr. J. D. Carse for the recommendation that chemists who are at present practising dentistry should be dealt with exceptionally. The chemist, however, will require to satisfy the adjudicating authority that his practice is a substantial one and includes all usual dental operations. It should be noted, also, that only the British Register is mentioned in the report. It will be remembered that the reason for the foundation of the Chemists' Dental Society was the high-handed attempt of the British Dental Association to take away the right of chemists to practise dentistry in connection with pharmacy, but the Committee has not seen fit to endorse this selfish policy. The members of the Dental Society of Ireland are mainly pharmaceutical chemists and registered druggists, but the Irish Registers are not referred to in the report. Among the other recommendations are the reduction in the time spent over the dental curriculum, the establishment of a public dental service, the employment of dental dressers or assistants acting under the supervision of registered dentists in schools and public dental services, and the registration after a short course of study and examination of dental mechanics employed as such during five years before the date of the report. We agree with the suggestion that dental research work is badly needed. To mention only the frequent cases in which registered dentists recommend the extraction of the whole of the teeth of quite young persons suffering from pyorrhœa is to show that the science of dentistry is in a very backward state.

### Industrial Councils and Industrial Problems.

WITH the title, "Memorandum on the Industrial Situation After the War," a book has just been published (2*s.*; Harrison & Sons, London, W.C.2.) under the auspices of the Garton Foundation, one of the trustees of which is the Right Hon. A. J. Balfour. Originally printed for private circulation, the book has been revised and enlarged, with the object of setting forth "the most important recent developments in industrial organisation, with some discussion of the possibilities of future progress." It is a painstaking and dispassionate account of what is, roughly, called the industrial situation : in

comprehensiveness it leaves little to be desired, taking within its purview such matters, for instance, as the reform of the patent laws and the encouragement of scientific research. The most valuable section of the book is perhaps the one explaining the scope of Whitley Councils and Trade Boards. Not only is the exposition commendably lucid, but readers are enabled, by references to original sources, to follow up the subject in such detail as they may desire. When it is remembered how many intelligent people, alike among employers and employed, have only the vaguest idea what the prevailing industrial unrest is "all about," the claims of this concise study of the position become self-evident. With all its deductions as to the future, general agreement cannot, of course, be expected; but its scrupulous fairness will ensure an attentive perusal.

### The Ministry of Health Bill.

PROMPT action has been taken by the North British Branch of the Pharmaceutical Society to secure the recognition of pharmacists on the Health Board which it is proposed in the Ministry of Health Bill to set up in Scotland. All the Scottish members of Parliament received a copy of the following telegram, and have since had sent to them an explanatory letter :

Ministry Health Bill clause nine proposed Health Board thoroughly unsound makes no adequate provision for meeting Scottish conditions as required by Scottish public bodies. Panel chemists in your constituency very earnestly appeal for adequate time for proper consideration before second reading is passed and desire your help in securing reasonable delay.

It is rightly claimed that pharmacists should be represented upon all bodies dealing with National Health where medical practitioners are represented, and that pharmacists are just as essential as doctors for dealing effectively with these matters. We commend the spirited action of the North British Branch to the Council of the Pharmaceutical Society. It is refreshing to know that Scottish pharmacists, at least, are not inclined to take anything a Government department chooses to throw at them. When the Bill came on for second reading on February 26 it was announced that Scotland had been left out of the Bill and that a separate measure is to deal with the Scottish question.

### Sanatogen and Formamint Trade-marks.

IT will be remembered that an application was made recently in the Patent Office Court to restore the "avoided" trade-marks, "Sanatogen" and "Formamint" to the Register of Trade-marks (*C. & D.*, February 1, p. 46). The application has been unsuccessful, and the marks remain public property. Any other decision would have stultified the whole of the legislation dealing with enemy trade-marks and patents. Both sanatogen and formamint were originally made under British patents which have expired, and the practice of the Board of Trade in dealing with enemy property has been to recognise that in English law the names of patented articles become public property so soon as the patents expire.

## Practical Notes and Formulas.

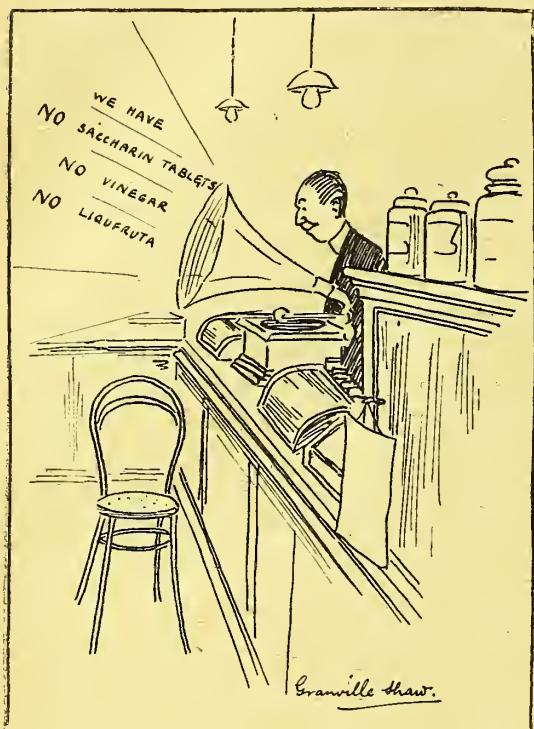
### Oily Solution of Salicylic Acid.

THE "Swiss Pharmaceutical Journal" (56, 1918) states that an excellent preparation of salicylic acid for external use is obtained by slightly heating 15 grams of salicylic acid with 100 grams of castor oil.

### Hydrogenated Oils as Ointment Bases.

JONES ("Amer. Perfumer," 13, 1918) states that an ointment base made of 125 grams of white wax and 675 grams of hydrogenated cottonseed oil (Crisco) is as quickly absorbed as lard, is cleaner, less liable to become rancid, and is a more stable product. He suggests that hydrogenation might be conducted to such a point that the resulting product would be so hard as to avoid the necessity of adding wax.

## War-time Episodes In Sketch and Sonnet.



### III.

#### THE MASTER'S VOICE.

When carking care sits stern on wrinkled brow,  
And scripts are thick, and help not to be had,  
And wholesale houses really are too bad,  
For naught they'll send you, Prithee do not bow  
Your aching head to Fate, and cry that now  
You've reached the Frozen Limit. Be not sad,  
For there are things wherewith to make you glad,  
And Edison invented one, I vow.

Beside thee, sitting on the tooth-brush case,  
It will, forsooth, unwearingly intone  
The blank negations that the human race,  
Must needs be met with. Leaving you alone  
To cope with other troubles and atone  
For much you ought. Indeed a saving grace.

## Scientific Progress.

Temperatures under this heading are on the Centigrade scale.

**Tests for Sugar.**—A possible source of error in drawing conclusions from urine analyses is suggested by Kramer ("Journ. Am. Med. Ass.", '71, 1918), who found that the urines of thirty soldiers who had been given 2 to 4 grams of acetyl-salicylic acid all responded positively to the Trommer test for sugar.

**Iodine Value of Mustard Oil.**—E. G. Raynes ("Analyst," '43, 1918) has determined the iodine value of a number of expressed oils from black and white mustard-seeds, with the following results: Expressed oil, 119.6–121; black oil, 114.4; white oil, 104.7–108.6. From these figures it is apparent that the iodine values tabulated by Lewkowitsch are below the true values.

**Sodium Bromide in X-ray Diagnosis.**—E. H. Weld ("Jour. Amer. Med. Ass.", '71, 1918) recommends a 25 per cent. solution of sodium bromide for skiagraphy as having the following advantages: It is a bland solution, and does not damage the kidneys; it casts a clear shadow, outlining the entire pelvis and ureter as well or better than other medicines hitherto employed, and is less irritating to the pelvic and vesicle mucosa. It is least expensive, readily procured, and easily prepared and sterilised.

## Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

### Reports from Local Centres.

#### ENGLAND.

**London.**—The Insurance Committee met at the County Hall, Spring Gardens, S.W., on February 27. The Finance Sub-Committee recommended that payments be made to chemists of 7,533*l.* 19s. 9d. for 1918 and of 384*l.* for the current year. The Sub-Committee also reported that the Commissioners had approved other grants to the Panel and Pharmaceutical Committees for administrative expenses.

**Surrey.**—The Insurance Committee met at Caxton Hall, Westminster, S.W., on February 26, when the Pharmaceutical Service Sub-Committee reported on a complaint made by an insured person against a chemist of failure to supply prescribed medicine within reasonable time. The Sub-Committee exonerated the chemist on account of the depletion of drugs in pharmacies during the influenza epidemic. The Medical Benefit Sub-Committee has permitted twenty-nine persons to make their own arrangements for medical benefit. At New Malden all insurance prescriptions are dispensed at the establishment of a large firm, which is a lock-up shop, but the Pharmaceutical Committee had secured its opening on Sundays and Wednesdays between 6.30 and 7.30 P.M. The Sub-Committee, however, considers this inadequate, and expresses the opinion that the shop should open from 7 till 8.30 in order to secure a proper service.

#### February Drug Tariff.

The following are the alterations for February in the Drug Tariff issued by the National Health Insurance Commissioners for England and Wales:

**Lower:** Acetanilidum, 6*l.* d. oz.; acetum ipecac., 2*s.* 8*d.* lb.; acid. acetylsal., 1*s.* 8*d.* oz.; acid. citric. pulv., 5*s.* 9*d.* lb.; acid. salicylic., 5*s.* lb.; ammon. brom., 6*s.* 2*d.* lb.; amylyum (maize), 11*d.* lb.; chloral hydras., 1*s.* 4*d.* oz.; cocaine. hydrochlor., 10*s.* 6*d.* dr.; creosotum, 1*s.* 7*d.* oz.; dec. sarsap. jam. co. (ex conc.), 9*s.* lb.; ext. cannab. ind., 16*s.* 3*d.* oz.; ext. cascagr. liq., 4*s.* 9*d.* lb.; ext. cinchonæ liq., 7*s.* 8*d.* lb.; ext. coloc. co., 10*s.* 6*d.* lb.; ferri et quin. cit., 2*s.* 1*d.* oz.; glycer. acid. boric, 3*s.* 6*d.* lb.; glycer. belladonna, B.P.C., 9*s.* lb.; guaiacol carbonas, 7*s.* 8*d.* oz.; liq. cresol. sap., 2*s.* 6*d.* lb.; lot. hydrarg. nigr., 9*l.* d. lb.; menthol, 2*s.* 1*d.* oz.; ol. anisi, 8*d.* oz.; ol. caryoph., 19*s.* lb.; ol. eucalypt., 6*s.* lb.; ol. olive (sublime), 34*s.* gal.; ol. ricini, 1*s.* 9*d.* lb.; oxymel scillaæ, 2*s.* 6*d.* lb.; paraldehyd., 9*l.* d. oz.; pepsin., 4*s.* 3*d.* oz.; pot. brom., 7*s.* 6*d.* lb.; pot. permang., 13*s.* 9*d.* lb.; sacc. lact., 3*s.* 4*d.* lb.; salol, 1*s.* oz.; sodii brom., 6*s.* lb.; syr. ferri phosph. c. quin. et strych., 2*s.* 10*d.* lb.; syr. ferr. glycerophosph. co., B.P.C., 3*s.* 10*d.* lb.; syr. hypophosph. co., B.P.C., 2*s.* 4*d.* lb.; tab. acetañilid., gr. iii., 1.26*d.* per doz.; tab. guaiacol carb., gr. v., 13.02*d.* per doz.; tab. naso-pharyngeal co., 5.10*d.* per doz.; tab. phenolphthalein, gr. i., 2.10*d.* per doz.; ditto, gr. ii., 3.09*d.* per doz.; theobrom., et sod. salic., 3*s.* 10*d.* oz.; thymol, 4*s.* 6*d.* oz.; tr. chlorof. et morph. co., 11*s.* 4*d.* lb.; ung. acid. boric, B.P., 2*s.* 2*d.* lb.; ung. ac. salicyl., 2*s.* 10*d.* lb. Bandages: Grey open wove, 1 in. by 3 yds., 0.76*d.*; 2 in. by 4 yds., 2.19*d.*; 2*l.* in. by 4 yds., 2.63*d.*; 3 in. by 4 yds., 3.13*d.*; 4 in. by 4 yds., 4.00*d.* each. White open wove, 1 in. by 3 yds., 0.88*d.*; 2 in. by 4 yds., 2.25*d.*; 2*l.* in. by 4 yds., 2.85*d.*; 3 in. by 4 yds., 3.42*d.* each. Gauzes: unmedicated, 19.00*d.*; boric, 22.00*d.*; carbolic, 22.00*d.*; cyanide, 22.00*d.*; sal-alembroth, 22.00*d.*; sublimate, 22.00*d.*; iodoform, 34.00*d.* per package. Lints: unmedicated, 1 oz., 4.50*d.*; 2 oz., 8.50*d.*; 4 oz., 16.00*d.*; 8 oz., 30.00*d.*; 1 lb., 54.00*d.* Boric, 1 oz., 3.17*d.*; 2 oz., 5.75*d.*; 4 oz., 10.75*d.*; 8 oz., 20.00*d.*; 1 lb., 36.00*d.* Wools: cotton, 1 oz., 3.00*d.*; 2 oz., 5.50*d.*; 4 oz., 10.50*d.*; 8 oz., 17.00*d.*; 1 lb., 30.00*d.* Splints: arm, plain, 5.00*d.* each. Catheters, best brown gum-elastic, 6.00*d.* each.

**Higher:** Äther, B.P. 0.72*d.*, 4*s.* 3*d.* lb.; capsule copaiba, m. 10., 3.96*d.* per doz.; collod. flexible meth., 6*s.* 6*d.* lb.; dec. cinchon. rub. (ex conc.), 5*s.* 3*d.* lb.; emul. petrolei c. hypoph., B.P.C., 2*s.* 8*d.* lb.; ext. aloes pulv., 5*s.* 6*d.* lb.; ext. ergotæ, 6*s.* 3*d.* oz.; ext. ergot. liq., 13*s.* 4*d.* lb.; ext. nucis vom. sicc., 1*s.* 9*d.* oz.; inf. gent. co. (ex conc.), 2*s.* 4*d.* lb.; liq. arsen. et hydrarg. iod., 1*s.* 8*d.* lb.; methyl sulphonial, 11*s.* 5*d.* oz.; ol. abietis, 22*s.* lb.; opium pulv., 6*s.* 6*d.* oz.; physostig. sulph., 1*s.* gr.; potassa sulphurata, 3*s.* 6*d.* lb.; spt. chlorof., 8*s.* 2*d.* lb.; spt. vini meth., 13*s.* 4*d.* gal.; tab. trinitrini, 1.26*d.* per doz.; tr. aurantii, 11*s.* lb.; tr. guaiaci ammon., 11*s.* lb.; tr. nucis vom., 5*s.* 6*d.* lb.; tr. strophant., 8*s.* 2*d.* lb. Bandages: crêpe, 2 in., 11.50*d.*; 2*l.* in., 14.00*d.*; 3*l.* in., 18.75*d.* each. Indianrubber (elastic web), 2*l.* in., 10.50*d.*; 3 in., 13.00*d.* per yd. Oiled paper, 1.88*d.* per sheet. Catheters, soft rubber (1-12), 8.00*d.* each.

## Associations' Winter Session.

**Amalgamated Society of Pharmacists, Drug and Chemical Workers.**—The Great Hall of Cannon Street Hotel was thronged on the evening of February 20, when the Amalgamated Society of Pharmacists, Drug and Chemical Workers gave a concert which, in addition to its primary purpose, afforded an opportunity for fraternising and making friends. The programme was a generous one, and included such different kinds of accomplishment as the finished dancing of Miss Mavis Clair (daughter of Mr. Bertram Webster, the chief promoter of the concert), the pungent quips of Messrs. Percy Albert and Wal Barker, and the well-balanced part-singing of a male quartet. During the evening Mr. Herbert Skinner, the Society's President, gave a short address, in the course of which he intimated that the number of members was already upwards of 2,000 and was rapidly increasing. It had been arranged, he announced, that this young but lusty infant should have two "nurses" instead of one, Messrs. Hawkins and Barrett having been selected as organisers. An interval enabled the social side of the proceedings to obtain due prominence, and visitors to discover that the joyous gathering was virtually a microcosm of the drug-trade, present and future.—The first annual meeting took place on February 23 at the Arundel Hotel. The President (Mr. Herbert Skinner) gave the history of the Society up to date and the record of its good work, showing that all the arguments against the principle of unionism had vanished, and the chief weapon now used was abuse and insinuation. The result of the ballot for the new Executive was: *President*, Mr. Herbert Skinner; *Vice-President*, Mr. Bennett; *Treasurer*, Mr. Gwinn; *Secretary*, Mr. E. N. Lloyd; *Committee*, (Pharmacists) Miss Gillatt and Messrs. Lindsey, Todd, and Wells, (Assistants) Messrs. Jones and Broadbridge, (Wholesale) Messrs. Urch, Crawley, Gilbert, Over, Philip, and Morrison.

**Chemical Society.**—A meeting was held on February 20, at Burlington House, London, W., Sir Wm. Popc in the chair. A ballot was held, at which fifty-six new Fellows were elected. Sir William then referred to the annual meeting, which will be held at 4 p.m. on March 27, and will be followed by a dinner. As the last dinner had taken place in 1913, he expressed the hope that this year's function would be well attended, and also mentioned that several prominent persons had promised to attend (Mr. Winston Churchill, Lord Moulton, Lord Sydenham, Mr. Herbert Fisher, *inter alia*). Sir James Dobbie has been proposed as President of the Society for the ensuing year.—A paper on *Nitro-arylazo- and amino-glyoxalines*, by Mr. R. G. Fairgher and Dr. F. L. Pyman, was then read by the latter. Basing on the observation that purin is changed into glyoxaline, an attempt was made to effect the synthesis of xanthin and purin from 4-aminoglyoxaline-5-carboxylic acid by condensation with cyanic acid and closing the pyrimidine ring, thus yielding xanthin. This attempt, however, proved unsuccessful, but the investigations undertaken led to an exhaustive study of the nitro- and arylazo-glyoxalines and their reduction products; the synthesis of the former in all stages from tartaric acid to o-diketone-glyoxaline-dicarboxylic acid. It may be mentioned that the histidine reaction is based on the reduction of arylazoglyoxaline, and during the process the mother substance of creatinine was obtained, also guanidin by reduction; while particular interest attaches to the fact that a new benzidine base was obtained for the first time from a heterogeneous system. Among the specimens shown the similarity of benzeneazoglyoxaline to potassium bichromate was striking. A lengthy discussion followed the reading of this paper.

**Cheshire.**—The Pharmaceutical Committee met on February 20 in Manchester, when Mr. H. W. Wallis reported on the meeting of the Lancashire Federation at Southport. The Federation of Lancashire, Cumberland, and Cheshire was now a *fait accompli*; and, Cheshire being invited to nominate one of the two Vice-Presidents, Mr. J. W. Deakin, J.P., was elected. The acting clerk of the Cheshire Insurance Committee (Mr. Phillips) was present at the meeting for the purpose of discussing the temporary breakdown of dispensing service at Middlewich. The present arrangements will be continued until more satisfactory and permanent ones can be made. It was decided that Mr. J. Cumming and Mr. H. W. Wallis should represent the county at the London Conference in April next.

**Essex.**—The annual meeting of the County of Essex Association of Pharmacists was held on February 20 at 17 Bloomsbury Square, when the President (Mr. C. Rundle) gave an interesting account of the year's work of the Association, claiming for it that it had taken its share in pharmaceu-

tical politics. The balance-sheet was brought forward by the Treasurer (Mr. J. H. Matthews) and adopted, a small working balance being shown. The officers were re-elected—viz.: *President*, Mr. C. Rundle (Walthamstow); *Vice-President*, Mr. T. L. Nicholls (Chelmsford); *Treasurer*, Mr. J. H. Matthews (Leytonstone); *Hon. Secretary*, Mr. C. Goode (Poplar). Arrangements were made for holding a dinner on March 27 at the Holborn Restaurant, to which ladies are to be specially invited. The details were left in the hands of Messrs. Catto, Matthews, and Goode. It was decided to hold a meeting of the Association at Colchester in the near future, in conjunction with the Proprietary Articles Trade Association. The delegates appointed to the forthcoming Conference were Mr. J. H. Matthews, Mr. T. England, and Mr. C. Goode. Resolutions were framed to be forwarded to the Conference, dealing with trade matters, National Health Insurance terms, organisation, and the Local Associations Executive report. It was also mentioned that any member who could act as host to one or more Conference members should communicate with the Secretary.

**Folkestone.**—The principal subject of discussion at the meeting of the Folkestone Chemists' Association on February 19 was the War Auxiliary Benevolent Fund. Mr. Cuff gave a detailed account of the objects of the fund and the way in which it was being administered, and made a strong appeal for the generous support of the members. This was ably backed up by Mr. Taylor, with the result that the challenge of the Treasurer (Mr. Giles) to give 5*l.* if there were nine other similar gifts was at once taken up and the requisite number obtained. Mr. Cuff is to be heartily congratulated on the success of his advocacy. Various matters of interest to the trade were also discussed, including the scheme for the reorganisation of the Kent Pharmacists' Association adopted at the meeting in London on January 29.

**Halifax.**—The Halifax Chemists' Association, at its meeting on February 24, discussed the face-value question as applied to proprietary articles. Mr. B. C. Hodgson presided over a representative attendance. Mr. W. H. Saunders (Liverpool), who attended specially to introduce the subject, said he was led to take the matter up because of the difficulty of dealing with the many patent medicines at the varying prices. He had to be a smart assistant who carried all the prices in his head. When an assistant had to retire behind a desk and turn over leaves and pages the customer wondered what was going on, and thought the chemist was trying to charge all he could. It took away the confidence that ought to exist between buyer and seller. Again, it was demoralising to have an old customer coming and saying that in another town the price was lower, and the inference was drawn that one was robbing the customer, which was not a nice feeling to create. It did create want of confidence between buyer and seller, and after all their business was essentially one of confidence. After explaining how the face-value policy became amalgamated with a Proprietary Articles Trade Association, he said he could not speak too highly of that Association, which had certainly put a large amount of money into chemists' pockets. He did not know any other machinery that could deal with face value except the P.A.T.A. Four representatives of the face-value policy and four of the P.A.T.A. had interviewed certain patent-medicine firms who were not willing to allow legitimate profits to the seller. One maker said his article was sold at a certain price. They challenged him to send out a dozen messengers to as many different shops. He did so, and all sorts of prices were charged. He said he would then consider what they asked. They had done a great amount of good. In 1916 the number of articles sold at face value was 45 per cent., in 1918 it was 55 per cent., and was now 82 per cent. There were certain items against which they were still making a big and strenuous fight. He understood there were five thousand, or about half the chemists and druggists in the kingdom, in the P.A.T.A. and they were hoping to bring two thousand more in this year. Face-value policy had put a million pounds a year into the pockets of chemists as compared with old prices. That was an effort worth struggling for. The expenses in retailing were growing. They ought to have at least 20 per cent. return for their turnover. They were going to approach the Government with two objects, one being to get a threepenny stamp on one-and-sixpenny articles instead of one-and-three, or have an agreed sum—as one penny in fourpence—so as to give the patent-medicine man an opportunity to put up his price and give the chemists a better profit. He believed many patent medicines could not give a larger profit than 20 per cent., but if that could be got to commence with it would not be bad. He did not see how they could hope to get 25 per cent. That

would be too great an inducement for the small shopkeeper to enter the field, and after all chemists wanted to retain what was really their business. To get an improvement they had many schemes. Wholesale houses in the North of England were refusing to handle certain lines, because the proprietors would not give the certain margin to the retail trade. If a new line came out they could certainly say they would not handle it. He had been forty-seven years in the business, and it was the first time he had known them come into line boldly and stand up for their rights. They should have a fair, reasonable margin for handling goods. The margin ranged from 15 per cent. down to 6 per cent. and less. When this was pointed out to one firm and an interview sought, the reply came, "No useful purpose can be obtained in regard to an interview." If the retail trade would boycott the offenders they would get better results than in any other way. He was often asked what was a decent profit to expect. He thought at least patent medicines ought to stand a reasonable part of their overhead expenses. The face-value policy not only brought the goodwill of chemists, but prevented them offering substitutes to customers. They had induced many co-operative societies to adopt the policy which, in their case, took the form of selling the medicine without dividend. He believed the small-shopkeeper business in patent medicines was declining. The public liked to go to the chemist and druggist for their supplies. He moved the following resolution: "That the Halifax Chemists' Association supports the principle of flat prices for patent medicines and proprietary articles at face value, at an adequate profit, as advocated by the Propaganda Committee of the Proprietary Articles Trade Association, and pledges itself to do all in its power to bring this about in co-operation with the P.A.T.A." Mr. Gibson Dixon, seconding, said they were certainly of opinion at their committee meeting that it would be profitable to wholesalers and retailers if patent medicines were priced out at a flat rate. If they sold at 20 per cent. there was nothing for the proprietor, and they should have at least either 22½ per cent. or 25 per cent. Face-value was very good, but they also wanted a face value of profit. He was afraid wholesalers were not carrying out P.A.T.A. prices. The retailers were being squeezed by the wholesalers. Mr. Saunders said some articles on the P.A.T.A. list did not allow sufficient profit, but no new lines were allowed unless retailers received 20 per cent. margin of profit. Every effort was to be made to get the price of all articles put up similarly. As to wholesalers, he welcomed the straight speaking, but retailers had little conception of the increased cost of handling these things. The wholesaler certainly had no intention of robbing the retailer. The discussion was continued by Messrs. L. Chambers and A. Taylor, and by Mr. P. W. Swire, who suggested that the Proprietary Articles Trade Association should make it known to offenders that if they would not allow a reasonable profit retailers would agree on a substitute to be offered to the public; and Mr. Saunders promised to bring the suggestion before the next meeting of the P.A.T.A. The resolution was then unanimously adopted, with an addition to the effect that invoices should be at full selling prices, less percentage of discount; and a hearty vote of thanks was accorded to Mr. Saunders.

**Edinburgh Assistants.**—A meeting of the Edinburgh Chemists' Assistants' and Apprentices' Association was held at 36 York Place on February 19, Mr. Henry Stout, Ph.C., in the chair. The Chairman intimated that as Lieut. W. H. Templeman, A.I.C., had been recalled to London, he could not give his promised address on Explosives. Mr. J. Rutherford Hill, Ph.C., then gave his paper on Back-shop Explosives. Mr. Hill exhibited a sample of tincture of kino. One portion which had been stored for some time in an ordinary glass-stoppered shop round was completely gelatinised, and could be broken up into pieces which had lost the characteristic astringency of kino, and had become practically insoluble in all ordinary solvents. Another portion kept in the same place, but in a bottle closed by an ordinary cork, was still fluid, though considerably thickened, and much less astringent than kino should be. These facts tended to support a theory previously expressed, that evaporation of the menstruum had some part in determining coagulation. Addition of glycerin was adopted in the B.P., but lubricating the glass stopper with glycerin acted similarly, and pointed also to the possible effect of evaporation. Cork stoppers are more efficient than glass stoppers in the case of volatile liquids. White in 1903 suggested that gelatinisation of tincture of kino was due to an enzyme or oxidase, and that heating the liquid to 100° C. prevented the change by destroying the coagulating properties of the enzyme. This suggestion had not been accepted by the compilers of the B.P., and some doubts have been cast upon it, though several workers claim that it is effectual. The truth seems to be that some samples of kino are more liable

to gelatinisation than others. Even when gelatinisation does not actually take place the tincture seems to lose astringency, and it is doubtful if a tincture is a suitable form in which to keep kino for medicinal use. This instance of change due to enzymes gave an opportunity to consider what an enzyme is. The word comes from "Enzymos," the Greek for "leavened." It applies to what is called a chemical ferment like emulsin as distinguished from what is called an organised or vital ferment like yeast. It is now agreed that even in the case of organic ferments like yeast the chemical changes are induced by a chemical ferment present in the yeast. The enzyme acts as a catalyst—that is to say, while remaining itself unchanged, it induces chemical changes in the substances in contact with it. Though no enzyme has been separated in such purity as to give its chemical constitution, it is assumed that probably it resembles the substance towards which it acts as a catalyst, and thus precipitates chemical change by mere contact. Heating an enzyme to a temperature of 70° C. to 100° C. destroys its catalytic power. There are some five classes of enzymes:

1. Those which catalyse or split up carbohydrates, of which the diastase of saliva or extract of malt is a familiar example.
2. Those similarly splitting up proteins like egg albumin, of which pepsin and liquor pepticus are the example.
3. Those similarly splitting up glucosides like amygdalin, of which the emulsin in almond kernels is a familiar example.
4. Those similarly splitting up fats and known as lipases, of which pancreatin and liquor pancreaticus are the example.
5. Those producing coagulation, as the rennin of rennet essence which curdles milk, and those producing oxidation, like this oxydase of kino spoken of by Mr. White.

The other items, all practically illustrated, consisted of the *Arbor Saturni*, or lead tree; the leaf insect of India, *Phyllium siccifolium*; perfect, clear crystals of cream of tartar; absorbent cotton-wool made by Mr. Hill about forty years ago when the first sample from America was introduced; magnesium sulphate in large rhombic crystals deposited in black draught; perfect, clear rhombic crystals of Rochelle salt; perfect octahedral crystals of ammonium alum; explosive mixture of benzol vapour and air illustrating a danger in bringing a light near the mouth or bung-hole, of an empty jar or cask; a mixture containing bismuth subnitrate and sodium bicarbonate which exploded in a lady's dress pocket; mercury and nitric acid sent out in a closed bottle which exploded and destroyed an eye; mixture of potassium chlorate and black sulphide of antimony, which was used for producing oxygen, and caused a deafening explosion (black oxide of manganese was intended, but the bottle containing black sulphide of antimony had been erroneously labelled "black oxide of manganese"); potassium chlorate and sublimed sulphur, of which an apprentice mixed half a drachm each in a gunmetal mortar with a metal pestle, producing an alarming explosion. Three or four grains of the mixture caused a very sharp report when firmly ground in a mortar, and a sharp detonation was also caused by striking with a metal pestle a few grains placed on the flat base of a metal mortar. These last five were taken as typical back-shop explosions, from which many practical lessons were deduced. There was also shown an experiment illustrative of the presence and pressure of the atmosphere. Into a large empty water-bottle was inserted a piece of cotton-wool saturated with alcohol and burning. By placing the palm of the hand firmly over the mouth the flame is soon extinguished, and the interior being a partial vacuum the external pressure is so great that the carafe, weighing over 2 lb., can be lifted adhering to the hand, from which considerable force is required to withdraw it. Repeating the experiment, a hard-boiled egg from which the shell is removed and which has been lubricated with a little vaseline may be placed over the mouth instead of the hand. At once the pressure moulds the egg to the shape of the neck of the carafe, and it is forced in with a bang. A vote of thanks was awarded to Mr. Hill.

**Liverpool.**—The Liverpool Chemists' Association met at the Royal Institution, Colquitt Street, on February 19, Mr. David H. Evans (President) in the chair. A short discussion took place on early closing, after which Mr. Hugo Wolff delivered a racy address on *Salesmanship*. He disputed the assertion that the profession was unremunerative, and pointed out that pharmacy yielded a return in the interest evoked and maintained, as well as a monetary reward, when skill and enterprise were combined. The successful retailer adapted his business to the needs of the community he served. "Dumb goods talked," and people were prone to buy what they could examine. A competitor should be watched, but not studied too much, or thereto would arise a tendency to copy him and to abandon one's own originality. In the case of stock which did not sell, a single-handed pharmacist should cut his losses by giving the customers the benefit of reduced prices; but if he had assistants they might divide, so to speak,

with the buyers, a commission on the sales. When a customer was choosing, say, a hair-brush, the price should not be mentioned too early. The seller ought not to let a transaction end with the handing over of the cash, but should show his willingness, by suggestion, advice, information, or invitation, to continue to be of service. By personal service and the use of brains the selling of goods would become an occupation of dignity. The address was warmly received, and well discussed by the President and Messrs. Clubb, Wallbridge, Tringham, and Moreton Parry, and in reply to a vote of thanks Mr. Wolff said he started at Tottenham by taking as little as 3d. the first week. He had utilised female labour extensively for his miscellaneous sales. In a district where the poverty-stricken might furnish the bulk of the business and the rich were few in number the pharmacist must learn to cater well for the class on whom he had chiefly to depend. He did not think prices would fall while labour, which amounted to 60 per cent. of the cost, remained high. The concentration of well-paid labour in the munition factories had brought good business to many retailers, but some were traders against their will.

**London Co.**—A meeting of the London County Pharmaceutical Association was held at 17 Bloomsbury Square, W.C., on February 18, Mr. J. Keall (President) in the chair. A letter was directed to be sent to Mr. A. R. Melhuish, who is ill, expressing a wish for his speedy recovery. Regarding a letter from the Pharmaceutical Society with respect to the lack of accommodation in London hotels for delegates attending the forthcoming Local Associations' Conference, the Secretary was instructed to write to the Secretary of each district Association in London and each chemist within the county of London with a view of securing offers of accommodation. The question of consideration of appointment of delegates and the reports of the Local Associations Executive and Organisation Committee were referred to a special meeting of the Committee held on February 25. The question of the publication of a Retail-price list was referred back to the Organisation and Trade Sub-Committee for further consideration and report. The report of the Organisation and Trade Sub-Committee contained recommendations concerning Allen & Hanburys' preparations, also Elliman's, and suggested that at the forthcoming Victory Dinner on April 3 at least one spur table should be reserved for the members of each district Association in London, with their respective Presidents as chairmen of these tables.

**London (N.).**—The monthly meeting of the North London Chemists' Association was held on February 20 at the Progressive Pharmacy Club, Mr. J. C. Carter in the chair, when Mr. F. Cherry gave an address on *Business Problems*. He pointed out that the demand for higher wages, which he supported, would mean that there must be bigger sales, more profits, and a cutting of losses. The minimum cost of running a business could be easily ascertained, and a greater proportion balanced for. Leaks in business were a very serious item, and he almost invariably found that they were due to lack of system. One of the greatest leaks was in the dispensing, where certain articles were ordered a few times and then never again. He advocated more co-operation in dealing with these items, and a large Association should easily be able to provide it. Another point was to be careful over the depreciation of stock, and they knew very well that he believed in sales in order to get rid of such stuff, as well as to cultivate new business. He contended that the chemist must be more of a merchant and less of the professional man if he desired to be able to compete in the retail. He dealt with advertising, company businesses, and the necessity of acquiring the art of salesmanship, and concluded with an earnest appeal to them to put up an active and a passive resistance to the powers which tended to absorb the single business. In the discussion which followed Messrs. Carter, Bennett, Keith, and Hearle took part. After Mr. Cherry had replied, a hearty vote of thanks was accorded to him for his address.

**London (W.).**—A meeting of the Western Pharmacists' Association was held at 316 Regent Street, W., on February 26, the President (Mr. C. A. Noble) in the chair. After routine business had been transacted a preliminary announcement was made of the forthcoming London County Association dinner, which is fixed for April 3. On the motion of the President, it was resolved to send a letter of sympathy to Mr. A. R. Melhuish, who has been seriously ill. A question relating to Insurance dispensing was raised by Mr. Shirliff, who moved a resolution to the effect that the hour of closing for all but urgent prescriptions should be 8 P.M. This was agreed to, with an instruction that it be forwarded to the London Pharmaceutical Committee. The shortage

of dispensing-bottles was referred to by Mr. Widgery and other members. The President then called on Mr. W. J. Uglow Woolcock, M.P., to address the meeting on *Current Topics*. By way of introduction Mr. Woolcock recalled his connection with the Western Pharmacists' Association, and the earlier days when he was Secretary, and afterwards President, of the Thames Valley Association (a member of which, Mr. H. E. Clement, was present at the meeting). From this he passed to a lucid exposition of the structure of the Ministry of Health Bill, the outlines of which are in process of being filled in. In this connection he paid a cordial tribute to the work of Mr. Glyn-Jones on behalf of pharmacy. Before concluding with an expression of his pleasure at being again among pharmacists, Mr. Woolcock briefly indicated the position and prospects of the chemical industry in this country. An interesting discussion followed, in the course of which Mr. Shirliff, Mr. R. R. Pratt, Mr. W. Browne, and other members asked and obtained a considerable amount of information (some of it not for publication) on dyes, fine chemicals, and intermediates. The release of pharmacists from the Army was also mentioned, and, at the suggestion of the President, Mr. G. A. Tocher made a statement on the present difficulty of obtaining this release. A vote of thanks to Mr. Woolcock was carried by acclamation.

**Manchester.**—A meeting of chemists' assistants, convened by the Manchester Chemists' Assistants' Association, was held in the Metro Café, St. Peter's Square, on February 19. The Vice-President of the Association (Mr. G. Livesey) occupied the chair, and gave a review of the meeting held on January 8 for discussion of the problems of reconstruction affecting pharmacy. It was pointed out that a desire having been expressed at the previous meeting for a further opportunity of discussing the report of the Whitley Committee on Industrial Councils and its applicability to pharmacy, some concrete proposal as to organisation should be advanced and, if possible, adopted by the meeting. An interesting and instructive discussion followed, in which Messrs. Kirkby, Grier, Fullerton, Abrams, and others took part. The meeting was agreed that there should be some organisation, representative of both qualified and unqualified assistants trained and engaged in pharmacy, through which their views could be expressed, and further recorded its opinion that the Assistants' Association should have larger support with a view to making it effective as an organisation for carrying out the recommendations of the Whitley Committee.

**West Riding.**—A meeting of the West Riding County Pharmacists' Association was held at the Grand Central Hotel, Leeds, on February 19. Mr. F. Pilkington Sargeant presided, and dealt with the various subjects which would arise at the forthcoming Conference. He pointed out that it was more important than ever that the position of the pharmacist should be firmly established in the public service, and that they must prepare, in connection with a re-arrangement of public-health machinery, for attacks on their privileges from unqualified practitioners of various kinds. It was therefore essential that their organisation should be made as perfect as possible, and while it might be inexpedient to interfere at present with the method of election of the Council of the Society, it would probably be thought desirable to have their Insurance and trading interests watched by an executive committee elected territorially. He had hopes that in that case the best men would be elected, and those who were most closely in touch with local requirements. The meeting afterwards discussed organisation, National Health Insurance remuneration, rural areas, the sale of poisons by wholesale, and agreed to several resolutions for submission to the Conference. It was decided to send to the Pharmaceutical Council a resolution declaring that the present was an opportune time to take action towards the restriction of the sale of poisons to those qualified either to sell or use them; and a congratulatory resolution was ordered to be sent to the Local Associations Executive.

**Wolverhampton.**—The nineteenth annual meeting of the Wolverhampton Chemists' Association was held on February 12. Mr. C. M. Warner was elected President, Mr. Hagyard Vice-President, Mr. S. Phillips Treasurer, Councillor H. Coleman Secretary, and Messrs. Bowdler, Dunn, Gibson, J.P., Marlow, and M. R. Warner were elected as the Committee. Mr. E. H. Bowdler was heartily thanked for his services in the chair. The Pricing Committee was re-elected. A donation of three guineas was voted to the Benevolent Fund. The Secretary announced that 97l. 7s. had so far been subscribed in Wolverhampton for the War Auxiliary Benevolent Fund, and he hoped that by the next meeting the 100l. would be reached.

## Trade Report.

42 Cannon Street, E.C. 4, February 27, 3 p.m.

A SLIGHT improvement in business is noted, and although the size of the orders is small, they are far more numerous, and this gives a cheerful tone. It is also a pleasure to record that export permits are being much more freely granted, so there is no excuse for this section being dull. Prices, however, continue to favour buyers, practically none of the synthetic products showing any improvement, and in some instances, owing to the disparity in quotations, it is difficult to say what the market value is. Among the products which have declined are aspirin, benzaldehyde, benzoates, creosote carbonate, heliotropin, potash sulphoguaiaconate, methyl salicylate, paraldehyde, phenolphthalein, and sulphonal. Carbolic acid is also cheaper. Considerable market support has been given to Japanese camphor, menthol, Japanese oil of mint, and star-anise oil, which are all higher. English refined camphor-flowers are 1s. per lb. higher. Lemon oil is firmer, and American peppermint oil and French lavender are dearer, but clove, citronella, and eucalyptus are cheaper. Among drugs, gentian, hydrastis, calumba, nux vomica, valerian, and balsam tolu offer in buyers' favour. Spices continue weak; pepper, cloves, and ginger registering further declines; pimento is steady and arrowroot easier.

Higher	Firmer	Easier	Lower
Camphor (Jap. ref.)	Aloes (Cape)	Cloves	Arrowroot
Camphor, ref. (Eng. flow.)	Farina	Copper sulphate	Aspirin
Cardamoms	Geranium oil (Fr.)	Cream of tartar	Balsam tolu
Menthol	Hexamine	Eucalyptus oil	Benzaldehyde
Mint oil (Jap.)		Hydrastis	Benzoic acid
Peppermint oil (Amer.)		Methyl	Calumba
		salicylate	Canary-seed
		Paraldehyde	Carbolic acid
		Pepper (blk.)	Citronella oil
		Phenolphthalein	Clove oil
		Tartaric acid	Creosote carb.
		Valerian root	Gentian
			Ginger (Jap.)
			Heliotropin
			Kola (W.I.)
			Lead acetate
			Milk-sugar
			(Govt.)
			Molasses
			Nux vomica
			Potash sulphoguaiaconate
			Silver
			Sulphonal
			Wax, veget. (Jap.)

ACETANILIDE is unchanged at from 3s. 3d. to 3s., which prices should stimulate consumption. As coal-tar derivatives capable of being used as dyestuffs are not to be imported into the United Kingdom except under special licence, acetanilide may be affected.

ACETIC ACID.—It seems doubtful if prices will further decline appreciably, as acetate of lime is now below the pre-war level, and in consequence the production in U.S. is being reduced.

ALBUMEN.—The following is issued by the War Trade Department: "The quantities of egg yolk and albumen which may be imported during the year ending December 31, 1919, under the agreements with the Associated Powers have been fixed (in metric tons) as follows: Norway, 120; Sweden, 200; Denmark, 200; Holland, 350."

ALOES.—Sales of Cape have been made at from 52s. 6d. to 56s., the latter for good hard bright. Arrivals comprise 131 kegs aloes from Bombay.

ANISE OIL, STAR, is steady, with spot sellers of "Red Ship" brand at 4s. 9d. and at 4s. 6d. c.i.f.

ARROWROOT is lower, with sellers of fair manufacturing St. Vincent at 9d. per lb.

ASPIRIN meets with keen competition among weak holders, who have been forcing the pace. For good B.P. quality, however, from 10s. 6d. to 10s. is wanted.

BALSAM TOLU is offered at the lower rate of 5s. 9d. per lb. on the spot for genuine.

BENZALDEHYDE is lower at 32s. 6d. per lb. on the spot.

BENZOIC ACID ex-toluol is offered at from 11s. 6d. to 11s. per lb. Competition is increasing, and the lower prices anticipated are now in operation.

BERGAMOT OIL is steady at 24s. on the spot and 23s. c.i.f. to come forward.

BROMIDES.—The cheap sellers appear to be less in evidence this week, and 2s. 9d. to 2s. 10d. seems to be the lowest for potash on the spot; soda is 2s. 9d. and ammon. 3s. 3d. The latter salt has advanced 10c. to 75c. per lb. in the U.S., making the price laid down here to about 3s. 6d. The demand for bromides at present low rates shows signs of reviving.

CALUMBA is still tending easier, ordinary to fair sound natural sorts offering at from 190s. to 195s.

CARBOLIC ACID has sellers of 39° to 40° in crystals at 8d. per lb. in bulk packing. America is quoting 6d. per lb. c.i.f., and reports the market heavily overstocked, which conditions apply here also.

CARDAMOMS have been in improved demand; medium to bold pale Ceylon Mysore are quoted from 4s. 6d. to 5s. 9d., green Aleppy at 3s., and Bombay seed at 3s.

CASCARA SAGRADA is steady, with a limited quantity of three-year-old offering at 11s. per cwt.

CASCARILLA.—Under this name the Cedar Branch was reported in the Bill of Entry as bringing 281 bales from Guayaquil, but such an arrival has failed to be traced. It is now suggested that the drug in question was cinchona, which is known as and called "cascarilla" by the natives of Ecuador. The value of good quill on the spot is from 2s. to 2s. 3d. per lb., and business has been done at about these figures.

CASTOR OIL.—English is offered at 80*l.* for first pressing, 83*l.* per ton for pharmaceutical, and 75*l.* for second pressing, net cash, ex mill, plus 4*l.* per ton in barrels.

CAMPHOR (REFINED).—Japanese slabs continue to advance, business being done at the close of last week at 8s. to 8s. 3d., and this week spot sales have been made up to 8s. 6d., and  $\frac{1}{4}$  oz. tablets have been sold at from 8s.  $7\frac{1}{2}$ d. to 8s.  $10\frac{1}{2}$ d. English flowers have advanced 1s. per lb. to 8s. The exports of camphor from Japan during November 1918 amounted to 75,528 kin, valued at 171,004 yen. During the eleven months ended November 30 the shipments were as follows:

	1916	1917	1918
Kin ... ...	4,899,176	2,972,519	1,599,755
Yen ... ...	5,103,283	5,066,347	3,316,340

The destinations were as follows:

To	1916	1917	1918
British India	1,309,170	1,009,243	360,769
Asiatic Russia	447,068	65,283	190
Great Britain	635,355	121,698	360,601
France	374,192	66,618	58,025
United States	1,917,004	1,460,998	520,397
Australia	92,597	104,686	94,720
Other Countries	123,790	143,993	205,053
	4,899,176	2,972,519	1,599,755

CHLORAL HYDRATE.—There seems no prospect of any improvement in price at present, sellers offering at 6s. 6d. per lb. in bond. America has reduced the price to \$1.05.

CINCHONINE SALTS are unchanged, sulphate and hydrochloride offering at 1s. 5d. per oz. and cinchonidine sulphate at 2s. 2d. per oz. The demand remains active, and stocks are getting low, with no immediate prospects of replenishment.

CITRATE OF LIME.—A Palermo advice dated February 6 intimates that the Italian Government, in order to favour the lemon-growers, bought up the whole new production of citrate of lime and concentrated lemon-juice, and increased the price from 434 to 700 lire per 100 kilos. The Camera possesses in addition 2,500 tons citrate left over from 1915-16, 3,500 tons from last year, while the new production is estimated at not less than 12,000 tons. Citric acid, based on present price of citrate, will not cost less than 5s. 1d. per lb. f.o.b., and as soon as stocks of old citrate are exhausted the price must advance. Citrate of lime costs 62*l.* 15s. per pipe of 305 kilos, f.o.b. and concentrated lemon-juice 65*l.*, basis 64 per cent, citric acid.

CITRIC ACID is quiet and unchanged, at from 4s. 6d. to 4s. 7d. per lb. Based on the present price of citrate of lime, which is controlled by the Italian Government, the cost of manufacture is said to be equal to 5s. 1d. per lb. f.o.b. Sicily

CITRONELLA OIL is cheaper to arrive, Ceylon offering at 2s. 6d. per lb. c.i.f.

CLOVES are quiet and the turn easier, with spot sellers of fair Zanzibar at 1s. per lb.

COCAINE meets with more inquiry, hydrochloride offering at 42s. 6d. per oz.

COD-LIVER OIL.—Our Bergen correspondent writes on February 17 that the first report from the Lofoten cod-fishing

states that the cod is in very good condition. The weight of 100 cod is reported to be from 310 to 320 kilos., or a little less than last year. To fill one hectolitre the livers of 290 to 310 fish are required, against 320 to 330 last year. The percentage of oil contained in the livers is from 50 to 60 per cent, against 53 to 55 per cent. last year. The Lofoten cod-fishing is, however, quite insignificant up to date, and the total catch for the whole country has not yet reached a million. The oil-market is without quotation.

**COLCHICUM.**—Good sliced is offered at 5s. 3d. per lb. on spot.

**CORTONSEED OIL.**—Edible material is a little more plentiful, thanks to moderate arrivals from the U.S.A. Crushers, nevertheless, are in need of increased arrivals of seed. The receipts of Egyptian seed compare favourably with last year, but prospects in regard to Indian seed remain unsatisfactory, while freightage is difficult. There is, however, a hope that considerably larger quantities of American oil will be coming along in the near future, as the authorities are now making special efforts to encourage the export-movement to European ports.

**CREAM OF TARTAR** is dull and a nominal market, nearest values being from 345s. to 350s. per cwt. for 98 per cent. powder.

**CREOSOTE CARBONATE** is lower, offering at 85s. per lb. on the spot, and is likely to decline still further.

**ERGOT** is selling at full prices, up to 8s. 6d. having been paid for sound Spanish, and slightly weevily at 7s. 6d.

**EUCALYPTUS OIL.**—The *Carina*, from Australian ports, has brought 2,069 cases to London. In view of these arrivals the tendency is easier, although there is a fair demand; B.P. oil is obtainable at 3s. to 3s. 3d. per lb.

**FARINA** is steady. Early in the week No. 1 Japanese offered at 33s. to 33s. 6d. per cwt. on the spot, but subsequently 34s. to 35s. was quoted, while afloat is offered at 32s. c.i.f.

**FORMALDEHYDE** becomes a "free" market on March 1. There appears to be a fair stock here, and as a large demand is expected this season it is anticipated the price of 150*l.* per ton will be maintained. American makers have officially fixed the price at 22*c.*, and with the scarcity of methyl alcohol find difficulty in turning out sufficient to meet the demand.

**GALLS.**—Chinese on the spot are quoted at 100s. per cwt. and to arrive at 90s. c.i.f.

**GENTIAN** is cheaper on spot, fair sound selling at 67s. 6d. per cwt.

**GINGER.**—At auction 506 bags Japanese sold without reserve at from 35s. to 37s. 6d. per cwt. for fair small, being a decline of about 25s.

**HELIOTROPHIN** is offered at the lower rate of 25s. per lb.

**HEXAMINE** has a firmer tendency, with an improved export demand; bids of 5s. 6d. have been refused, current value being 6s.

**HONEY.**—The *Carina*, from Australian ports, has brought 8,890 cases and 140 casks to London, and the *Booral* to Liverpool 2,601 cases. Sales include fair Australian at 90s., good set Cuban at 92s. 6d., and Californian at 100s. per cwt.

**HYDRASTIS** is easier, spot offering at 31s. per lb. net.

**HYDROQUINONE** shows a rather better demand in view of the approaching photographic season; 12s. 6d. to 12s. is quoted.

**KOLA.**—At the spice-auction 32 bags Grenada offered and 21 sold at from 5d. to 6d. for fair dried.

**LAVENDER OIL.**—Owing to scarcity French distillers are asking 90fr. per kilo., equal to about 36s. per lb. laid down in London.

**LEMON OIL.**—A Sicilian advice dated February 17 states that "After our last report the market continued weak, as, although we are now in the full pressing season, the demand from abroad has been limited, and local purchases by the Government have almost ceased. However, producers who had bought large quantities of lemons for pressing at rather high rates, preoccupied by the rapid decline, began trying to arrange a combination amongst themselves in order to control the greater part of the existing stocks and of what will still be produced so as to prevent any further decline. It seems that they have succeeded in coming to 'arrangements,' and, as a consequence, the market is again steady, with a firm tendency. Holders are once more showing a reluctance to sell, and prices have risen again. It is not possible to foresee what may happen, as factors which have little to do with the laws of supply and demand are influencing prices. Much will depend upon whether the 'arrangements' are lasting or only temporary, and upon the importance of the demand from consuming centres." Spot (London) prices show considerable variation as usual, but holders claim they are getting 5s. 6d. to 6s. for finest brands, which figures practically represent the prices to come forward.

**LINSEED OIL.**—The much easier conditions in the matter of supply have tended to make for a more subdued trade demand generally. Fairly decent quantities were within the last few weeks dealt with at public auction for export and also for home use, and crushers are now working very satisfactorily. There is, of course, no inducement for home users to buy in excess of their actual needs at inflated prices, especially in view of general trade uncertainties. Prices must decline, as more normal conditions are being gradually restored, while the receipts of seed have been coming in in ample volume for some time past.

**LICORICE-JUICE.**—Good Sicilian block is offered at 320s. on the spot.

**MACE.**—At auction 677 packages West Indian offered and practically all sold at firm rates to a slight advance.

**MENTHOL** is dearer on spot, business having been done in Kobayashi-Suzuki at from 19s. 9d. to 20s. 6d. per lb. The exports from Japan during November 1918 amounted to 4,763 kin, valued at 42,597 yen, and during the eleven months ended November 30 they were as follows:

	1916	1917	1918
Kin ...	360,579	237,047	222,539
Yen ...	2,233,984	1,510,168	1,410,682

The destinations were as follows:

To	1916	1917	1918
British India ...	21,996	12,385	17,854
Great Britain ...	126,945	57,418	115,649
France ...	69,183	2,722	3,728
United States ...	130,878	147,745	66,802
Other countries ...	11,577	16,777	18,506
	360,579	237,047	222,539

**METHYL SALICYLATE** is offered at 3s. 6d. per lb. on the spot, but as stocks are gradually being reduced and no fresh imports taking place there is little room for a further reduction.

**MILK-SUGAR.**—The Government price has been reduced to 2s. 2d. per lb., and in second-hands business has been done at 1s. 9d., but most holders ask 2s. per lb.

**MINT OIL.**—Japanese dementhrolised shows an aggregate advance of 7*½*d. per lb. on the spot, sales of Kobayashi-Suzuki having been made up to 5s. 6d., but on Wednesday sales were made at 5s. 1*½*d. The exports from Japan during November 1918 amounted to 25,761 kin, valued at 75,808 yen. During the eleven months ended November 30 the exports were:

Kin	1916	1917	1918
... 345,666	211,062	176,298	
Yen ... 805,347	481,334	421,127	

**MOLASSES** is in free supply, and the official price for manufacturing purposes has been reduced to 9s. per cwt. in cask net weight and 5s. in bulk, or 20s. 8d., duty paid. Arrivals in Liverpool include 5,300 tons. The Royal Commission on the Sugar Supply have issued the following (dated February 24): "The export of syrup and molasses to non-enemy countries has been permitted since February 13. For export to countries neighbouring enemy countries an export licence will be required from the War Trade Board, 3 Central Buildings, Westminster. In the case of exports to neutral European countries it will be necessary to obtain the usual guarantee against re-exports."

**NUTMEGS.**—At auction 1,156 packages West Indian offered and about 600 sold at steady to rather higher rates for broken and defective; the bulk was of poor quality.

**NUX VOMICA** is cheaper to arrive, sellers offering at 30s. per cwt. c.i.f. Some good-sized quantities have arrived in London and Liverpool.

**OPIUM.**—There is practically no demand, and prices are unchanged.

**ORIGANUM OIL**, distilled in Cyprus, has again appeared on the market after a lengthy interval. Sales have been made at 9s. per lb., and the oil, which is distilled under Government auspices, tests 72 per cent.

**PALM OIL.**—The Food Controller notifies that in regard to all shipments made after March 10, 1919, the provisions of the Oils and Fats (Requisition) Order, 1917, will not be put into operation on the arrival of the goods, and importers and others may dispose of them either before or after arrival, in ordinary course of their business, to purchasers in the United Kingdom, without any licence on the part either of the seller or the buyer, subject, however, to the existing maximum prices.

**PARALDEHYDE** is offered at the easier rate of 5s. 6d. per lb.

PEPPER is easier, with spot sales of fair black Singapore at 11d. Tellicherry is quoted at 9½d. and Aleppy at 9½d. White Muntok has been sold at 1s. 3d., and Singapore is quoted at 1s. 2½d.

PEPPERMINT OIL.—Spot holders of American tin oil ask 37c. 6d. on the spot, following on the advance in U.S. H. G. H. is quoted at 40s. on the spot.

PHENACETIN shows a slight advance in the United States, but prices here are on a lower parity than that market, sellers quoting 12s. per lb.

PHENAZONE.—Supplies are still insufficient for the home and export trade, and holders maintain the previous price of 55s. U.S. also reports a firm and scarce market.

PHENOLPHTHALEIN.—With the increased production of phthalic anhydride in the United States we may expect lower prices for phenolphthalein, although the present prices of 27s. 6d. to 30s. per lb. are not regarded as excessive.

PIMENTO is steady, with spot sales at 4d. per lb.

POTASH SULPHOGUAICOLATE has declined to the more reasonable price of 50s. per lb., which should stimulate the demand, especially for export.

RESORCIN is selling at from 27s. 6d. to 30s. per lb.

ROSIN.—The United Kingdom Rosin Distributors' Association, Ltd., announce that the Ministry of Munitions have modified the granting of licences for importing rosin. Buyers on and after February 26 should ascertain if licences may be obtained for specific purchases. Limited quantity can be exported under licences.

SACCHARIN.—The demand still continues light, with leading firms quoting 160s. to 162s. per lb., duty paid, for American 550 strength. There are, of course, offers at less from holders, who for financial reasons are anxious to realise.

SALICYLATES.—Sodium salicylate is in fair demand, and is steady at from 4s. to 3s. 9d. Salicylic acid, on the other hand, owing to the weak carboxylic acid market, remain depressed, and can be readily bought at 2s. 6d., contracts offering at appreciably less. This low price is likely to stimulate consumption.

SALOL shows more inquiry for export, price remaining at 6s. 6d. per lb.

SENEGA is quiet, with fair bright offering at 5s. 2d. per lb. on the spot.

SEHELLAC is unchanged, usual standard TN Orange offering on the spot at from 230s. to 235s. in bags and 245s. to 250s. in cases; fine Orange is quoted at 310s. to 340s.; cakey AC Garnet is 270s. down to 220s. for solid block.

SILVER.—The maximum price for silver bullion in the United Kingdom was reduced from 48½d. per standard oz. to 47½d. on February 20.

SODA NITRATE.—The Chilean Nitrate Committee, of 40 New Broad Street, E.C. 2, has received instructions from the recently formed Association of Nitrate Producers in Valparaiso, Chile, to make it known that the Association is prepared to sell nitrate of soda f.a.s. vessel at Chilean ports at 10s. 1d. ordinary and 10s. 6d. refined per Spanish quintal.

SULPHONAL is cheaper, with spot sellers at 120s. per lb.

SULPHUR.—We are officially informed that the prohibition of the export of sulphur from this country has been withdrawn. The Government control of sulphur is likely to last some time yet, and no information is obtainable as to when it will cease. The spot price of Sicilian flowers is 32s. per ton and roll 28s.

TARTARIC ACID meets with little demand at from 3s. 6½d. to 3s. 7d.

TURPENTINE.—The Ministry of Munitions have issued the following notice: "Attention should be directed to holders of licences for the supplies of turpentine issued by the Ministry of Munitions under the Turpentine and White Spirits Order dated January 25, 1918, to the prices endorsed thereon. Purchases can only be made from brokers and distributors at these prices, and any infringement or alteration of these terms other than those officially quoted by the brokers and distributors by notice from this Department renders the licence subject to immediate cancellation, and the buyer or seller will be liable to penalties as set out in the Defence of the Realm Acts. Alterations in prices are notified to the licence holders by the brokers and distributors immediately upon taking effect." The Turpentine Distributors' Association, 2 Bury Court, E.C. 3, are now offering American, French, or Spanish, sellers' option, at 100s. London, 101s. Liverpool and Glasgow, 102s. Bristol, Manchester, and Hull.

WAX, VEGETABLE.—Sales of Japanese squares have been made at 70s. per cwt. on the spot, but at the close 60s. is quoted. The exports from Japan during November 1918 amounted to 817,051 kin, valued at 314,010 yen. During the eleven months ended November 30 they were as follows:

	1916	1917	1918
Kin ...	5,636,189	4,105,876	8,409,604
Yen ...	1,541,373	1,263,786	2,886,824

### Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the various British ports:

To London	Valerian (R'dam), 55 cks.	Starches (bags), 154 a
(Feb. 3 to 15).	Vanilla (Fr.), 3 cs.	dextrin, 150; farin
Albumen, egg (Ch.), 518 cs.	Witch-hazel ext.	80; wheat, 5,941
Alcohol, rect. (Natal), 350 drms.	(N.Y.), 160 hrs.	sks. 11,561 hgs. 1,374
Almonds (Sp.), 3,261 cs.	Dyes, dyeing and tan-	cs.
1,200 bxs. 125 lbs.	ning materials: ani-	Stearin, 407 cks.
50 brls. 679 bgs. 770	line colours (Fr.) 35	Talcum powder (N.Y.),
sks. (Gib.) 952 bgs.	cks. (N.Y.) 44 cs.	19 bxs. 20 pkgs.
(Port.) 222 hgs. 11	cochineal, 57 bgs.	Vaseline, 2,132 cs.
sks.	cutch (S'pore), 2,478	Wax, bees' (Jam.) 2 tcs.
Antimony ore (W. C. S. Amer.), 702 sks.	hxs.; dyes and	22 hrs. 51 hgs. 3
Argyrol (U.S.), 3 cs.	paints' (N.Y.), 36	pkgs. (Chile) 47 sks.,
Barytes (Sp.), 2,000	pkgs.; fusitic ext.	(E. Afr.) 995 pkgs.
bgs. 600 hrs.	(N.Y.), 71 hrs.	22 hls. 312 hls.
Carbon black (N.Y.),	gambier (S'pore), 4,	(Natal) 572 bgs.
200 cs.	040 cs.; indigo	Wax, ceresin (N.Y.),
Casein (B'bay), 408	(Havre), 44 cs.; log-	17 bxs.
bgs.	wood ext. (Jam.),	Wax, hardened (Jap.),
Chemicals, drugs, and	464 cks.; wattie	42 hgs.
medicines (N.Y.), 103	hark, 10,129 hls.	Wax, paraffin, 606 hrs.
brls. 25 hxs. 740	Egg yolk, dried, 419	250 hgs.; scale,
cs.: toilet and mani-	cs.; liquid, 78 cks.	6,265 brls.
cure preparations	1,176 pkgs.; powder,	Wax, vegetable (Jap.),
(N.Y.), 535 es. 13	1,134 cs.; dried egg,	25 cs. 104 pkgs.
pkgs.	whole, 126 pkgs. 80	
Chemical products, etc.,	cs.	
unrated: (Fr.) 30	Fig syrup (U.S.), 4,500	To Liverpool
cs. 10 pkgs. 15 cks.	cs.	(Feb. 1 to 14).
(Jap.) 12 cs.	Gums, resins, etc.:	Acetone (U.S.), 40
Acetone (U.S.), 8	olibanum, 45 cs.	drms.; ketone, 160
drms.	sandarac (Mor.), 8	drms.
Argol (Sp.), 346 cs.	hgs. 3 brls.; sticklac	Almonds (Sp., etc.),
Arsenic (N.Y.), 68	(Siam), 190 cs.	250 cs. 1,119 bgs. 89
brls.	Glaxo, 1,344 tins.	2,270 bxs. 202
Boric acid (It.), 400	Grape juice (Fr.), 182	hrls. 23 bxs. 50 pkgs.
brls.	cs.	Casein (B. Ayres), 2,079
Cream of tartar (Sp.),	Honey (Kobe), 4 brls.	bgs.
121 brls.	(Jam.), 37 brls. 459	Chemical products, etc.
Formaldehyde, 224	cks. 1 + ½ ck. (N.Y.)	(N.Y.), 15 pkgs.
brls.	1,310 brls. 10,156 cs.	Aspirin (N.Y.), 20
Iodine (Jap.), 40 cs.	33 + ½ brls. 2 + ½ cs.	kgs.
Lactic acid (N.Y.),	Lime juice (Jam.), 53	Bezoic acid (N.Y.),
10 cs.	puns.	22 kgs.
Milk-sugar, 48 pkgs.	Liniment, Sloan's	Calc. borate (Chile),
Potash carb. (N.Y.),	(N.Y.), 1,798 cs.	6,509 hgs.
51 cks.	Listerine (N.Y.), 685 cs.	Calc. phosphate
Quinine (Amst.), 34	Molasses (N.Y.), 524	(N.Y.), 244 hrs.
cs.	hrls.	Cream of tartar (Sp.),
Saccharin (N.Y.), 15	Oils, essential, unrated:	38 cks.
cs.	(Fr.) 3 cs. (Sp.) 48	Milk-sugar (N.Y.),
Tartar, 52 hrs. (Fr.)	drms. (H. Kong) 450	175 hrs.
80 cks. 586 bgs.	cs.; anise, star, 250	Potash carb., 6 cs.
Tartaric acid (It.),	2 drms.; cedarwood	Potash perchlor.
88 cks.	(N.Y.), 8 drms.	(Chile), 46 brls.
Theobromine alk.	lavender (Fr.), 3 cks.	Quinine sulph.
(Amst.), 4 cs.	lemongrass (N.Y.),	(Java), 500 cs.
Dental cream (N.Y.),	36 cs.; orange (Jam.),	Saccharin (N.Y.), 6
200 cs.; mentholatum,	90 cs.; sandalwood	cs.
20 cs.	(E.I.), 158 cs.	Saltpetre, 1,000 bgs.
Drugs, etc., unrated:	Oils, fixed: coconut	Soda nitrate, 10,005
(Fr.) 3 cs.; pharm.	(Coch.), 463 pps.	bgs.
products (Fr.), 13	4,079 cs.; cottonseed	Soda phosph. (N.Y.),
cs.; medicines	(N.Y.), 6,000 hrs.	25 hrs.
(Fr.), 6 cs.; pills,	fish 416 cs.; palm	Tartar (Fr.), 117 cks.
bulk (N.Y.), 125	244 cks.; sperm.	Drugs, etc., not de-
cs.	(Azores), 153 brls.	scribed, (N.Y.) 131
Anatto-seed (W.L.),	teased oil, 668 cs.	pkgs. (Fr.) 445
153 bgs.	turpentine (Fr.),	pkgs.
Cardamoms, 130 cs.	1,050 cks.; whale	Cascara sag., 799 bgs.
Cassia fistula (Amst.),	(Cape), 1,014 drms.	Cinchona (W.C. Af.)
20 bks.	wood (Oh.), 123 cs.	48 hrs. (Java) 240
Cinchona (Guayaquil),	670 cks.	bs. 1,538 hrs.
84 cs. 293 bls	Perfumery, (Fr.) 43 cs.	Colocynth (Alex.), 7
(E.I.) 51 bls.	(It.) 4 cs.; orange	bs.
(Sp'ore) 524 bls.	flow. water, 19 cbsys.	Kola (W.C. Af.), 36
69 cs.	civet (Aden), 1 cs.	hgs.
Cod-liver-oil (R'dam),	Petrolatum, 100 brls.	Lavender flow., 68
50 cs.	Seeds, etc.: apricot	hgs.
Dragon's blood	kern. (N.Y.), 51 bgs.	Liquorice juice (Sic.),
(S'pore), 18 cs.	caraway (Gib.), 135	40 cs.
Galls (Ch.), 238 cs.	hgs.; cashew nuts,	Orange peel, 128 bls.
Juniper berr. (It.),	250 cs.; ground nuts,	Quillaja, 225 bls.
125 bgs.	(N.Y.) 500 bgs. (W.	360 hds.
Kola (W.L.), 3 bgs.	Af.) 3,483 tons	Roots, medicinal
Liquorice (N.Y.), 50	8,115 hrs.; lin.	(Chile), 157 hls.
cs.	(E.I.), 12,075 bgs.	Saffron, 2 cs.
Mint oil (Jap.), 106 cs.	palm kernels, 10,509	Sarsaparilla, 17 bls.
Nux vomica, 132 bgs.	hgs. 645 tons; sun-	Senna (Alex.), 324 bls.
Papain (Cey.), 7 + ½	flower (Cape), 3,472	Yohimbine bark, 204
cs.	hgs.	bs. dyeing and tan-
Podophyllum (N.Y.),	Spices: chillies, 29	ning materials, etc.:
74 bls.	bgs.; cinnamon, 135	cochineal, 36 bgs.
Rhubarb, 8 cs.	32 cs.; quill,	indigo, 36
Saffron, 3 cs.	180 bgs.; cloves, 32	serons; logwood, 13
Sarsaparilla (Jam.),	hgs.; ginger, (Jam.)	tons; woodlog ext.,
22 bgs.	27 bgs., (Jap.) 140	dry (Jam.), 422 cks.
Stramonium (N.Y.),	hgs., (H. Kong) 200	myrobalans, 6,518
95 bgs.	cs.; pepper, wh.,	bs.; crushed, 728
	(Bangkok) 265 bgs.	hgs.; tanning ext.
	(Calicut) 900 hgs.	(Fr.) 373 cks. (U.S.),
	(Coch.) 296 bgs.	6,188 bgs.



#### Clinical Thermometers.

SIR.—Can nothing be done to obtain a release of clinical thermometers from the National Physical Laboratory? In accordance with the order, I sent mine, fortunately not a great many, about the end of November last, and do not yet even know if they were received. Have written twice without having had any reply. Evidently the wholesalers are in a like strait, and I have been unable to buy any lately. As we have a rerudescence of the "flu" here the demand for clinicals is somewhat brisk, and the position is, to say the least of it, unsatisfactory. Could some M.P. raise the question in Parliament? Or some other and stronger representation be made?—Yours truly,

Annan.

WM. RICHARDSON.

#### Qualified Chemists' Union.

SIR.—Recent correspondence in the *C. & D.* has impressed me with the need for union. We have real grievances that call for immediate attention, and the question is how best to rectify them. Profits on proprietaries are still inadequate; face-value should be the fixed minimum retail price; the drug-store, *minus* qualification, is a question of importance for future pharmacy; National Health Insurance dispensing worries one, most of all we qualified to dispense medicines accurately with pure drugs, etc. The National Insurance Act takes away the best portion of our legitimate business, substituting a type of dispensing that at least "killed" the black gentleman who formerly shouted his wares in the market. The Act introduced us to the sweating system, *minus* the profits, and requires drastic treatment of some kind. In the good old days the average chemist did not see much beyond his own door, and did not want to, but it is advantageous these days to take a wider view. Wholesale houses are not averse to looking after their interests in these days of reconstruction. Why should we be?

MINOR. (27/2.)

#### Insurance Dispensing.

SIR.—The method by which chemists are now paid for Insurance work is cost price for drugs and a fee for doing the work—presumably a professional fee. Now, cannot this be made available where the excess profit is being charged? In a business where a large or even a fair amount of panel work is done, and excess profit is being charged, ought not this work to be looked upon as professional, and exempted accordingly from the charge? Personally, I am not liable to excess profit, nor do I do much Insurance work. I merely raise the point in the interest of the trade at large. I intend raising the question at the next meetings of the Surrey Committees, both County and Pharmaceutical, which I attend shortly, to see if something can be done in the matter.

Yours faithfully,

W. M. TIMS.

#### The Question of the Unqualified Assistant.

SIR.—"M. P. S." (*C. & D.*, February 15, p. 63) appeals for a scheme for the improvement of the unqualified, and surely one need not look far for a solution. To my mind it is incumbent on every chemist employing apprentices and juniors to grant these young men ample time for study, and to take more interest in their pharmaceutical advancement. If every employer engaging an apprentice or junior impressed upon these youths that the Minor is the minimum proof of ability, and refrained from frightening them with untrue stories of the severity of the test, I think more candidates would be forthcoming, and thereby lessen the proportion of the unqualified. We do not want to tolerate unskilled workmanship: let us have pharmacy for the *bona fide* pharmacist and have as many men of proved ability around us as possible. There is no need for any man with average ability to remain in the ranks of the unqualified after the age of thirty years provided he received ample encouragement from his employers for genuine study whilst engaged as a junior. This, I think, will benefit this class of pharmacy worker to the full; moreover, it will not give them a false value as the scheme for a bought Fellowship would do. The public must be offered genuine service, and genuine service pharmaceutically implies knowledge of the Minor standard. In regard to "Rhei," he seems one who is fond of trying to get something for nothing; at any rate he has not laid down a strong case, but he has given us an insight as to his character. With a mixture of "grit and gumption" he can get a decent living by

qualifying *via* Bloomsbury Square or Edinburgh without adopting the bribery practice. Honours bought are valueless. Moreover, if he thinks his bait of ten guineas registration fee is an inducement he is doomed to disappointment, because I feel confident that if finance is the trouble sufficient present members of the Society will gladly subscribe generously rather than tolerate the acquisition of unproved ability to the register of the Society. The war has proved ability to be ascendant, and pharmaceutical ability is decided by the examiners of the Society.

Yours faithfully,

PHARMACIST. (61/64.)

SIR.—The claim put forward by unqualified assistants for registration on the grounds of a certain number of years' experience is one that will not stand the test of investigation. Businesses differ largely, and hence so does experience. Very many years spent in some businesses would not be so beneficial or enlightening to an assistant as a year or two in others. The most satisfactory test of an assistant's ability is the examination, as in it one has to attain a certain standard for success. I do not think some of your correspondents realise that, by the registration of assistants on the claim of a definite number of years' experience, the qualification of pharmacist would be so "cheapened" as seriously to affect the salaries at present paid to qualified men. So that the newly registered men would be no better off, and the men who had worked hard to qualify by the examination test would be hit, as their position and salary would be lowered. Your correspondents appear to have considerable faith in their own abilities, and if they know their business from A to Z, as one claims, they should experience little difficulty in becoming registered as pharmacists in the legitimate way by passing the Minor examination. I had twenty years' experience as an unqualified assistant, both at home and abroad, but found I had still much to learn before I felt able to qualify, which I did at my first attempt. I feel it should be the aim of all assistants in the drug business to endeavour to raise their status, and I do not think they will achieve this by admitting men to registration without passing the Qualifying examination.

Yours, etc.,

ASSISTANT PHARMACIST. (24/2.)

SIR.—The correspondence in the *C. & D.* regarding the "unqualified" is quite interesting, and as one of the persons referred to may I be allowed to add a few remarks? I can truly say, like another of your correspondents, that I have a thorough knowledge of the business—from A to Z, as he remarks. I was regularly apprenticed to a registered chemist, and passed the Oxford Local in lieu of Preliminary. I have not been out of a berth for a day during an experience of thirty-five years in good businesses in Bath, Brighton, Cheltenham, etc. I was always hearing from the proprietors that the qualified men are not up to the mark for general work, and I was always asked to stay on. Now I own a drug-store and, like another of your correspondents, give the best of attention and materials; I have the confidence of the public and the medical men. The trouble of poisons is not a great one, though sometimes an inconvenience to my customers, and it would be an advantage if we could sell them. I know I am capable, more so than many a so-called qualified man. The Minor examination and preparing for it does not make one a better chemist. I spent the whole of my time learning my business, and studied to obtain knowledge required for my work, and did not put in a lot of time over things never wanted in business—at least, in perhaps fifteen out of every twenty businesses. One of your correspondents complained of a drug-store opening close to him. What is he afraid of with his superior qualification? He has the advantage of his qualification, with the drug-store man handicapped by restrictions. The Minor does not make good business men. Twenty years' experience is better than all the examinations, and the sooner the full privileges are granted to men with twenty years' experience who have served their apprenticeship the better. The Pharmaceutical Society would then perhaps be more representative of the chemists of the country; it is not so at present.—Yours faithfully,

EXPERIENTIA DOCET. (91/16.)

#### What Salary should be Paid.

SIR.—Now that the question of salaries is very much in evidence, might I ask your readers what they consider is a fair remuneration under the following conditions? Two years ago I took over the management of a branch—returns then 500L to 550L. During the past year they have been 1,150L, and are still increasing. I am fifty-nine (qualified), work the business absolutely single-handed, but am beginning to find it is getting a little too much for me. It is good class and there are very few cut lines.—Yours truly,

SPES. (58/21.)

## Legal Queries.

*W. L. P.* (63/59).—A compound powder sold as a remedy for indigestion, even though put up in 2d. packets, is liable to medicine stamp-duty.

*Camul* (22/13).—If you are not liable to income-tax, the amount deducted from your fees as a director of a limited company will be repaid in the usual manner.

*E. R. A.* (63/68).—A mixture of acetic acid coloured with caramel is not vinegar. It would be an infringement of the Sale of Food and Drugs Acts to sell such a mixture as vinegar.

*W. W.* (59/65).—The term "finest treacle" has not been defined by the Courts, so far as we are aware. We should not consider a "black liquid with burnt taste" as coming within the description mentioned.

*A. B. S.* (20/2).—Prescriptions for sulphonal and pulv. ipacae. co. may not be repeated if prescribed for members of his Majesty's Forces. The Army Council Order does not refer to prescriptions for civilians.

*H. E. C.* (18/2).—The unqualified members of a partnership carrying on a chemist's business are liable to prosecution for infringing the Pharmacy Acts. An unqualified "sleeping" partner under the Limited Partnership Act cannot, we think, be penalised under the Pharmacy Acts.

*H. K. W.* (66/72).—PREVENTION OF DISEASE.—The holding out of a preparation for the prevention of a disease renders it liable to medicine-stamp duty. We consider that the words "for increasing the resisting power of the system against colds, influenza, etc.," is a recommendation of a preventive of the diseases referred to.

*W. R.* (64/61).—TRADE-MARK REGISTRATION.—There is certainly a similarity between the two marks you mention. The fact that one is already registered in the class in which you desire to register your mark is sufficient to prevent you proceeding, unless on appeal you can convince the Registrar that there is no similarity, or come to terms with the owner of the registered mark.

*A. O. D. G.* (59/39) wishes to know what, if any, excess-profits duty he is liable to pay when his pre-war profits were 400*l.* and his profits for the year 1918 were 800*l.* [It is assumed that the year 1918, for which the profits are given, is the accounting year. There is in this case no excess-profits duty to be paid, because, although an assessment is made, the excess profit is covered by the statutory allowances.]

*K. S. D.* (63/72).—The use of the possessive case and the recommendation on the cough-balsam label render the preparation to which the label is affixed liable to medicine stamp-duty. The influenza specific can be sold by a chemist unstamped as a "known, admitted, and approved remedy," provided that no proprietary rights are claimed in the name and that the disclosure ("cinnamon and quinine") is adequate.

*F. W.* (59/5), to whom we gave advice in the *C. & D.*, February 8, having now been granted a wine off-licence by the Justices, restricted to medicated and British wines only, not foreign or Colonial wine, asks what he shall have to pay for the Excise licence. [An Excise wine off-licence should be taken out, as medicated wines are frequently made from foreign wine. The cost of this depends on the annual value of the premises, the scale being: Not exceeding 20*l.* annual value, 2*l.* 10*s.*; between 20*l.* and 30*l.*, 3*l.*; between 50*l.* and 75*l.*, 4*l.*; between 75*l.* and 100*l.*, 4*l.* 10*s.*; between 100*l.* and 250*l.*, 5*l.*; between 250*l.* and 500*l.*, 7*l.*; over 500*l.*, 10*l.*] If only British wines are used in making the medicated wine, an Excise sweater's off-licence will be sufficient, and this is granted at the fixed rate of 2*l.* without regard to the annual value of the premises.]

*In Doubt* (58/7) asks how excess-profits duty will affect him, his profits being as follows: Year 1914, 355*l.*; 1915, 235*l.*; 1916, 227*l.*; 1917, 321*l.*; and 1918, 587*l.* He says he is not sure how the allowance to small traders is granted, and how far, if at all, it applies to such a case as his. [Excess-profits duty is charged on any increase in profits which has taken place since August 4, 1914, as compared with the profits made before that day. The profits made before the war are called the "pre-war standard," and these in the case of "In Doubt" may be the profits made in the year ended December 31, 1913, as what is taken is the last year to which the accounts were made up before the war broke out. We assume the figure given—355*l.*—to be

the pre-war standard. In that case no excess-profits duty will be due on the 587*l.* made in 1918, as an adjustment has to be made because of the decrease in the profits in the years 1915, 1916, and 1917, as compared with the pre-war standard. Where the pre-war standard of profits does not exceed 500*l.* per year a statutory small-trader's allowance is granted equal to one-fifth of the sum by which 2,000*l.* exceeds the profits chargeable in any particular year.]

*T. T.* (65/26) refers to our answers to subscribers' queries with regard to excess-profits duty, and asks whether he is entitled to any repayment of duty. This year he is not assessed for the duty, but he paid it in the years 1915 and 1916, for which he received no allowance except the statutory one of 200*l.* He wants to know whether the small traders' allowance was then in force, and, if not, can he now claim on account of it. His figures for the year ending December 31, 1916, were:

	£
Profits	570
Bad debt	19
Excess-profits duty	4
Rates ( $\frac{1}{2}$ )	2
	595
Less loan interest	13
	582
Less pre-war standard	£192
Statutory allowance	200
	392
	190

on which duty at 60 per cent. was 114*l.*

[The allowance for small traders was not then in force, as it was first introduced by the Finance Act, 1917. No repayment can be claimed now on account of it, but "T. T." may be entitled to a repayment because of the fact that excess-profits duty is to be such an amount as will make the total duty paid by him during the whole period the tax is in force correspond to his profits during the period. Without having the figures for each of the years since the duty was introduced before us, we cannot say if any repayment is due.]

## Miscellaneous Inquiries.

*S. S.* (55/1).—METAL-POLISHING CREAM.—The best way of compounding in bulk the metal-polishing cream the formula for which was given in the *C. & D.*, February 8, p. 56, is to dissolve the soap in the water with which the ammonia is diluted, rub the kaolin to a cream with this, then place in an agitator, add the strong ammonia and the petrol, and shake until homogeneous.

*Camul* (22/12).—FORMALIN SPRAY is used in public places for checking the spread of influenza. The strength employed is formalin 3*vij.*, water 3*xxxv.*; a Heppel's hand fly-spray is recommended for the purpose. The spraying is carried out twice daily in the case of hospitals, but at more frequent intervals in cinematograph theatres.

*S. & Co.* (63/71).—PERFUME FOR SPRAYING CINEMATOGRAPH-THEATRES.—The following has been given before in the *C. & D.*, and is effectual:

Lavender oil	...	...	...	2 oz.
Rose-geranium oil	...	...	...	1 oz.
Bergamot oil	...	...	...	$\frac{1}{2}$ oz.
Formalin	...	...	...	1 oz.
Spirit to make	...	...	...	16 oz.

Mix.

This is diluted in the proportion of 1 oz. to 40 oz. of water, and sprayed in cinematograph-theatres for the purpose of purifying the air.

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Reprinted from "The Chemist and Druggist," March 15, 1869

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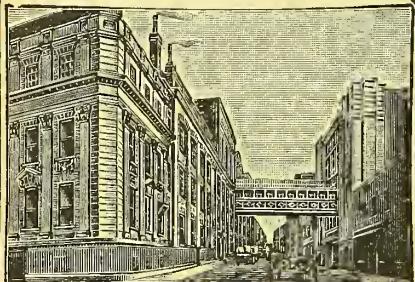
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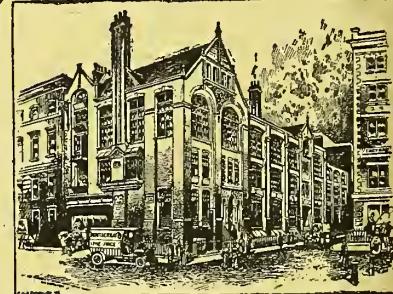
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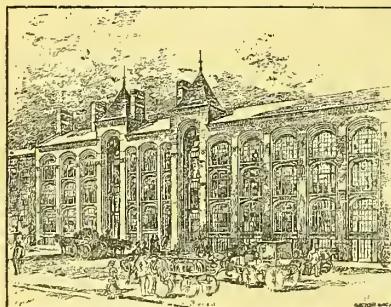
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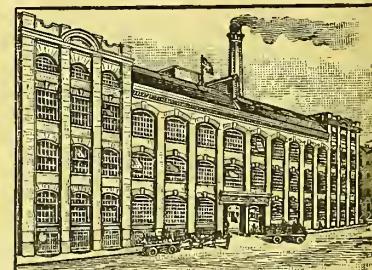


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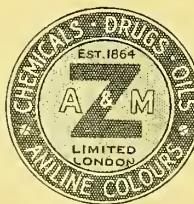
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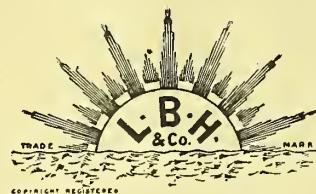
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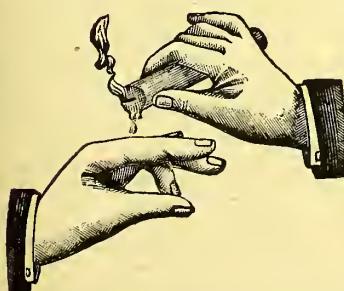
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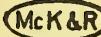
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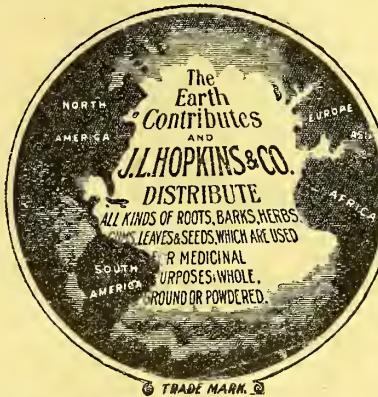
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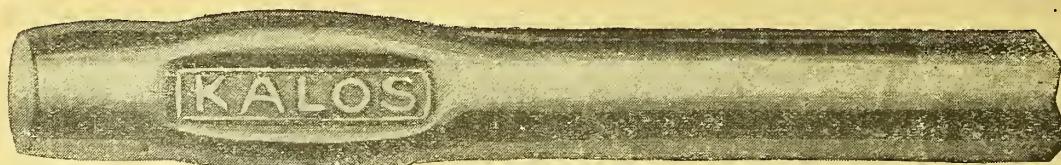
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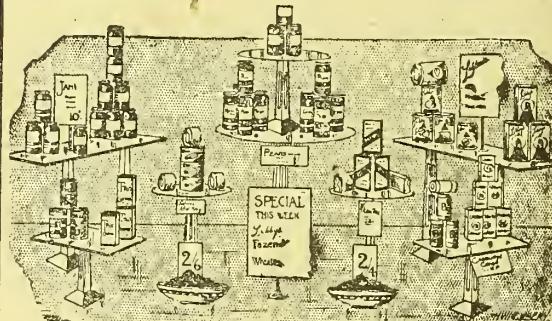
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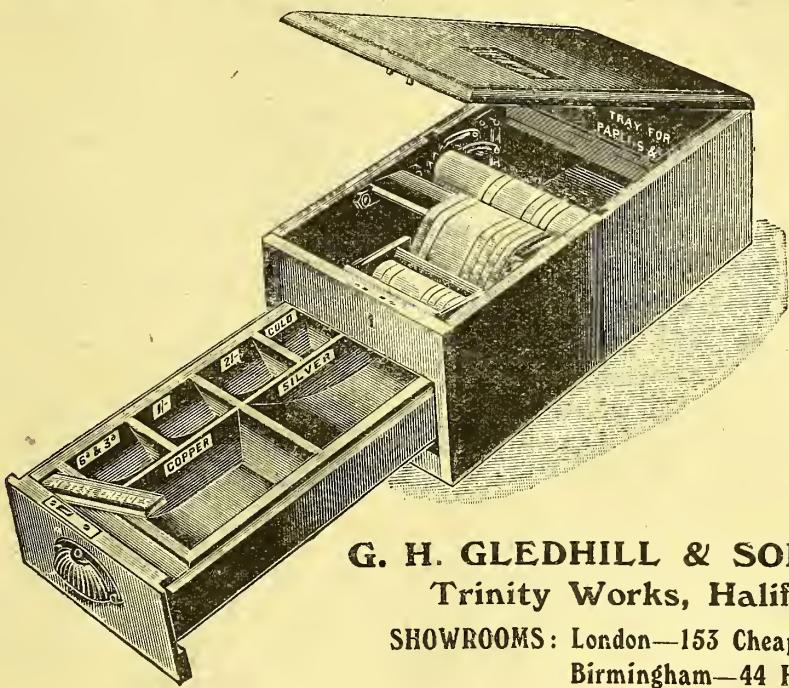


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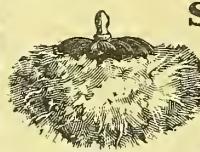
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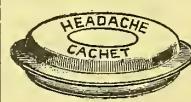
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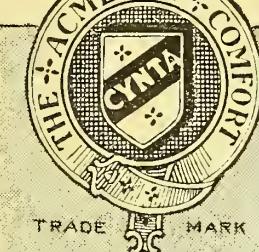
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(BLUE LABEL) ← OR → (BROWN LABEL)

**NON-STRETCHING****WOVEN COVER****GUARANTEED ENGLISH MANUFACTURE THROUGHOUT***Approved and recommended by the Medical Faculty***IN PACKETS of 1 DOZEN*****IMPORTANT SPECIAL NOTICE!***

We are pleased to inform our customers at home and abroad that we can now offer our towels at the undermentioned reduced prices :—

Size 1.  
**12/-**  
per gross.

Size 2.  
**17/-**  
per gross.

Size 3.  
**22/-**  
per gross.

Size 4.  
**26/-**  
per gross.

**The Most Comfortable and Efficient of all Ladies' Towels.**

**THE CYNTA MANUFACTURING COMPY.**  
**St. Thomas' Place,**  
**STOCKPORT.**

# "WE DO NOT WISH TO MEASURE ANYTHING"

was the piteous cry of a manufacturer to whom we offered an

## ABBE REFRACTOMETER

He only wanted to sell his products at a fair profit and be left in peace. An innocent aspiration, but

## THERE IS NO REST

in such haven of his desires for the manufacturer of to-day. He may not wish to measure anything, but he

## MUST measure EVERYTHING

or join the medieval merchants who would not take up

## Book-keeping by Double Entry

Descriptive Book'et of the Abbe Refractometer post free can application to THE MANAGER—

**ADAM HILGER, Ltd., 75a Camden Rd., London, N.W. 1**

Telephone : North 1677-8.

Telegrams : "Sphericity, Phone, London."



## "NORVIC" CREPE BANDAGE (Regd.)

SUPERIOR ENGLISH MANUFACTURE. FAST WOVEN EDGES

"I'm ready for the day's work when I've got my Norvic Crepe Bandage on."

Extremely Elastic, but contains no Rubber.

Invaluable for binding. Displaces rubber and elastic web. More durable and one-third the cost. The Norwich Crepe Bandages containing wool, will provide warmth, and do not absorb grease readily. Self-clinging and self-adjusting. Perfectly cleansed, sterilised, and resin ency entirely restored by washing in hot soft water (with addition of a little s.ap). The edges will not fray out nor ravel. Made and supplied to the leading wholesale houses, neatly wrapped in labelled packages. Recommended by the medical and nursing professions. Send for prices and samples to the sole manufacturers—

The NORWICH CRAPE CO. (1856) Ltd. (ST. AUGUSTINE'S), NORWICH, Eng.

Provincial Selling Agents, FROESE & MOON, Ltd., 59 Bernerssey Street, London S.W.1.  
London Buyers can obtain samples & prices from MR. T. EASTAWAY, London Representative, 7 Wool Exchange, E.C. 2

## C. G. BROOKS

(Late PARSONS' GLASS WORKS)

BRIDGE ROAD,  
LOWER EDMONTON, LONDON, N.

FLAT-BOTTOM TUBES  
GLASS TUBING  
MEDICAL & CHEMICAL GLASSWARE  
Wholesale Quantities Only Supplied.

## BOTTLES

Delivery from Stock. Cannons, Brills, Heavy Oval Perfumes, Tobins, Limes. Whcl sale only.

E. DUNCAN DORING, 7 King Street, Cheapside, E.C. 2.  
Telegrams—"Doringlaso, Phone, London." Telephone—City 500.

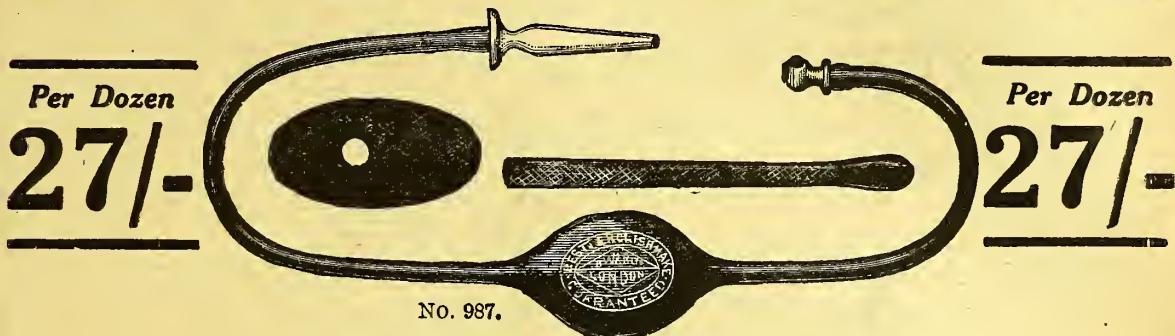
## COTTON WOOL 1/8 per lb.

In 1-cwt. lots; 56-lb lots 1/9 per lb.

Nice and white, absorbent, interleaved, 1-lb. rolls Carriage paid, cash with order, in 1 cwt. and 56-lb. bales. Wrappers 3/6 extra, returnable. Sample for p.c. A satisfied client writes: "The wool seems excellent value." Another one: "The wool is most satisfactory."

JAS. Q. MILLS, Chemist, Platt Bridge, Wigan.

# SEAMLESS ENEMAS.



**GUARANTEED FOR 2 YEARS.**

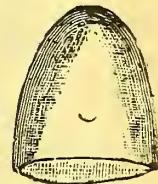
No. 987.—The "B.E.M." (best English make) with bone rectal pipe, etc.,	s.	d.
complete in superior card box, per doz.	27	0
" in leatherette dome-top case	30	0
" SPECIAL LINE, red, unpolished, in card box	26	0
" 988.—The "EMPIRE," black polished, in card box	24	0

We are the right House for BRITISH-MADE GOODS—Anti-Rheumatic Rings, Bandages, Belts, Catheters, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Trusses, Splints, Water and Air Beds, Water and Air Cushions, Waterproof Sheetings, and every description of Rubber Goods.

ILLUSTRATED PRICE LIST POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED.

**BURGE, WARREN & RIDGLEY, LTD.,**  
91 & 92 GREAT SAFFRON HILL, LONDON, E.C. 1.

# RENDELL'S SOLUBLE QUININE PESSARIES.



THE WORLD-WIDE REPUTATION that these Pessaries have obtained since their invention by W. J. Rendell in 1885 has induced unscrupulous persons to place upon the market worthless and injurious compounds, with colourable imitations of W. J. Rendell's labels. To distinguish the genuine Pessaries from these fraudulent concoctions, see that the Registered Trade Mark and Number, in RED INK, are upon each box thus :

Registered  
Trade Mark, without which  
none are genuine.  
No. 182,688.

*W. J. Rendell*  
No. 182,688

Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

## IMPORTANT NOTICE AND CAUTION.

Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE CHEMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of "W. J. RENDELL," "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

**W. J. RENDELL,**  
**INVENTOR AND SOLE MAKER,**  
**15 CHADWELL STREET, CLERKENWELL, LONDON, E.C.**

*The "FASTNET"***SANITARY TOWELS  
FOR LADIES.**

Prompt Supplies.

Quick Sales.

Good Profits.

Attractively and  
neatly packed for  
window display.

Small Quantity	No. 1	No. 2	No. 3	No. 4
$\frac{1}{2}$ -gross assorted	14/6	18/9	24/-	26/6 per gross pkts.
1 gross assorted	13/6	18/-	23/-	26/- "
	12/6	17/-	22/-	25/6 "

## AGENTS:—

JOHN TIMPSON &amp; CO., Ltd., 104 &amp; 106 GOLDEN LANE, LONDON, E.C. 1.

GRAMS: "Porous, London."

PHONES: City 6910, 6911.

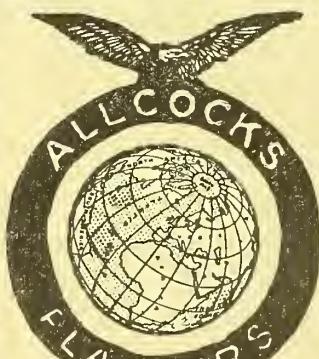
ESTABLISHED 1847.

**Allcock's  
PLASTERS**

A REMEDY OF 70 YEARS' STANDING.

Allcock's Plasters  
Allcock's Corn and  
Bunion Plasters  
Brandreth's Pills

The  
Three  
Reliables.



"Sold all round the World."

Prices and Terms  
on  
application to

ALLCOCK  
MANUFACTURING  
COMPANY  
22, Hamilton Sq.,  
Birkenhead,  
England.

**BUY NOW  
FOR THE SEASON.**

↑  
**LOOFAH S**  
↓

	Gross lots.	Doz.
8" to 10",	21/-	2/-
10" to 12",	27/-	2/6
12" to 14",	36/-	3/6
14" to 16",	48/-	4/6

**TRANS. I.R. SOOTHERS**

(Ring and Teat).

2/3 doz. 24/- gross lots.

Sell readily at 4½d. each.

**THOS. SWALES,**DRUGGISTS' SUNDRIESMAN,  
24 Butts Court, and 89 Albion St., LEEDS.

Telephone: No. 23260.

**FINEST BLACKS AND  
COLOURS**

# CARAMEL COLOUR IN POWDER.

# Guaranteed Harmless.

50

**times the concentration  
of Liquid Caramel.**

### **Sample on application.**

### Soluble in

WATER	SPIRIT
OIL	TURPS
WAX	BENZOLINE
GLYCERINE	NAPHTHA
PETROLEUM	CREOSOTE

and

#### **IN FACT—ANYTHING.**

# **BLACK FOR INK.**

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# **MARKING INK.**

# ETERNITE

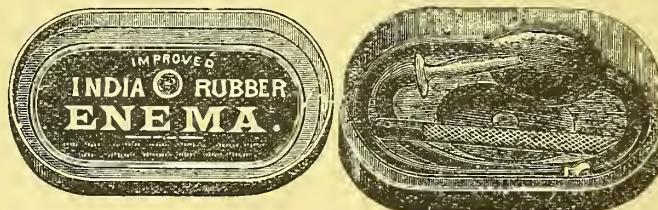
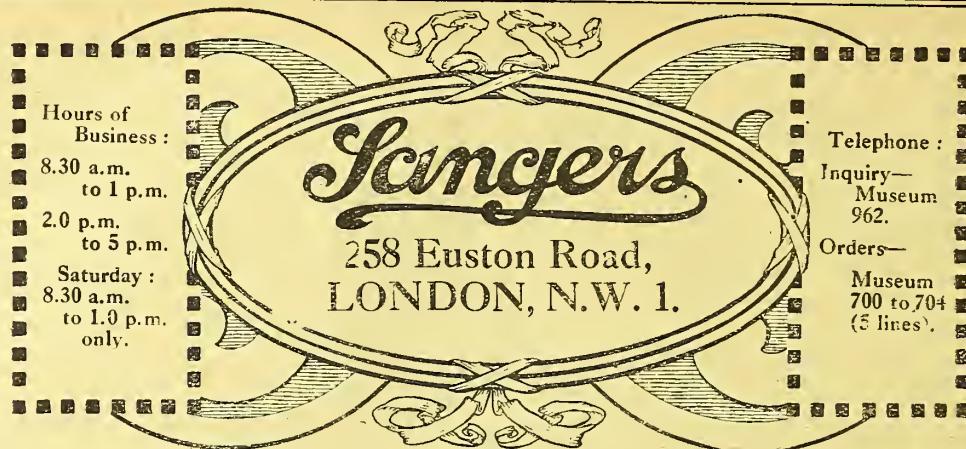
## A combined Stain and Preservative for Wood.

## **HOUSEHOLD DYES.**

# RHEUMSOL BATH SALTS

# **WILLIAMS BROS. & CO.**

## **Hounslow, Middlesex.**



### SANGERS' "No. 4."

## IMPROVED ENGLISH ENEMA

Black polished. Full size Complete in oval shouldered cardboard box, with Bone rectum pipe, Elastic Gum vaginal pipe and shield.

Per **33/-** doz.

**Fig. 11. "REGNAS" Enema,**

Smaller Size, as above - - - per doz

**27/6**

1 doz. lots - - - 27/-

If you have no account running with us your cash with order will be appreciated.

We are always pleased to open new accounts upon approved references.

# JABEZ WOLFFE'S CHANNEL EMBROCATION

**1/3 & 3/-**

CASH TERMS **25 %**  
**SELLING DISCOUNT.**



**1 GROSS or**  
 **$\frac{1}{2}$  " packages**

**DRAWS PAIN FROM**  
PEOPLE suffering from  
Influenza, etc.

Handlers  
Distributors  
CHEMISTS  
The people

**DRAW**  
**DRAW**  
**DRAW**  
**DRAW**

profits.  
good repute.  
ever-increasing sales.  
satisfaction.

FULL PARTICULARS FROM  
The LONDON HYGIENIC CHEMICAL CO., Ltd., 163 BLACKFRIARS ROAD, S.E.1.

## **DRAWS PAIN FROM PEOPLE.**

Kay's Compound Essence of Linseed,  
**"LINSEED COMPOUND"**  
(Regd. Trade Mark).  
For COUGHS and COLDS.  
On the P.A.T.A. List.

**"KAY'S TIC PILLS."**  
**"MOUNTAIN FLAX PILLS"**  
Linum Catharticum (Regd. Trade Mark).

**"COAGULINE" & "TENASITINE"**  
CEMENTS.

**"ORBITE"**  
Banding Material for Fruit Trees.

**BIRDLIMES, RATLIMES, and**  
**FLYGUMS.**

*Sole Makers :—*

**KAY BROTHERS LTD.,**  
**STOCKPORT.**

### **BRITISH Saccharin Tablets.**

Full Strength, 0'3 gr., 550, Saccharin in each.	100's	200's	500's	Per lb.
	13/-	25/-	63/- per doz.	65/-
Card Boxes				

Special Strength, 0'2 gr., 550 =  $\frac{1}{3}$  gr., 330 in each.  
50/- per lb.

Aspirin Tablets, gr. v, per 1000, 15/-; per lb., 18/-; in card boxes—25's, 6/-; 50's, 11/6; 100's, bottles, 23/- doz.

Cascara Tablets, gr. ii, pearl-coated, per 1000, 5/-; in card boxes—25's, 2/-; 50's, 3/9; 100's, 6/9 per doz.

Formalin Tablets, contains  $\frac{1}{4}$ -gr. Paraformaldehyde, per lb., 3/6; in amber screw-cap bottles, 50's, 7/6 per doz.

Bismuthated Magnesia Tablets, per lb., 3/6; in amber screw-cap bottles, 50's, 7/6 per doz.

Pine Tablets, 2/6 per lb.

Sulphur Tablets with Cream of Tartar, 2/- per lb.

Boat-shape Feeding Bottles, each in box, complete with transparent teat and valve, 7/6 per doz.

4-oz Jars with celluloid Caps, 36/- per gross.

Paper, Double Demy, 22½ x 35, 36/- per ream.  
" Nature Brown Cap, 18 x 28, 12/- per ream.

*£3 value Carriage Paid. Cash with Order.*

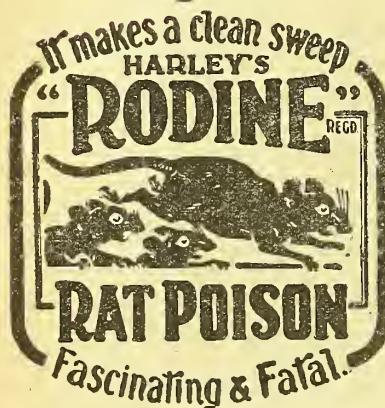
**C. W. HARPER,**  
254 Stockport Road, Manchester.

Compressed Tablets, Fine & Heavy Chemicals,  
Druggists' Sundries, Glass Bottles.

# The Right Weapon for the RAT WAR

The Rat Menace in many parts of the country has assumed extraordinary proportions, and effective measures must be taken to exterminate them. Numerous testimonials received prove that in "Rodine" you have the right weapon to remove rats. Every tin sold means a repeat order because of

## THE EXCELLENCE OF "RODINE"



It is extensively and attractively advertised, and yields nearly 100% profit. On P.A.T.A.

### GIVES "VISIBLE RESULTS."

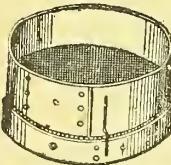
**Mr. Suckling,** Chemist, Linton, writes (29/10/18) :—"I should like to take up agency for your 'Rodine.' I have been selling other makes, but obtained a few tins of your 'Rodine,' and find that it sells far better, and customers speak more highly of it than other makes."

**Mr. Wm. Robinson,** Medical Hall, Ramelton, writes (25/10/18) :—"Many thanks for sending 'Rodine.' I have pleasure in enclosing cheque. I take an interest in this preparation, as I have never handled any preparation which gave more satisfaction to my customers."

Get it on best terms direct from the Maker—

**HARLEY,** Manufacturing Chemist, **PERTH, SCOTLAND.**

Export Agents: TOZER, KEMSLEY & MILLBOURN, LTD., 84 Fenchurch Street, London, E.C. 3.



For your Sieves and Wire Gauze try the actual Makers!

**S. RAMSEY & CO.,**

**198/202 ST. JOHN STREET, E.C. 1.**

Telegrams: "Methodical, Smith, London."

Telephone: Holborn 6337 (3 lines).

## FERTILISERS

Insecticides and all Horticultural Specialities and Sundries.

Catalogue on application

**HUNTER & GOW, LTD., 200 Thomas Street, LIVERPOOL,**  
Manufacturers and Wholesale Suppliers of everything for the Garden, Allotment and Greenhouse, such as "Abol," "Vaporite," Twines, Sticks, Labels, Clays, Nicoticide, etc.

## CHANGEABLE LETTER SIGNS

Most effective, artistic and NOVEL. Letters do not fall about once placed in position.

300 Letters and Figures to each Sign.

Size 18 by 14 inches, in Wooden Frame, price 10/-, Two for 18/-; Size 11 by 15, price 7/-, Two for 12/-.

Sent carriage paid on receipt of Postal Order.

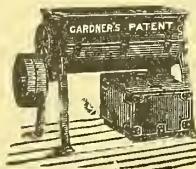
Dominion Trading Co., 50 Adelaide Rd, London, N.W.3

GARDNER'S PATENT

## "RAPID" SIFTERS & MIXERS

OVER 5,300 working in almost every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust.

FOR HAND OR POWER.  
From 60/- upwards.  
CATALOGUES FREE.



WM. GARDNER & SONS, Engineers, GLOUCESTER

ALL CHEMISTS SHOULD STOCK **ABDINE**

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Over 40 Years' Reputation.  
"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in Packets, 1d. each; Boxes of 13 packets, 1/6.  
Wholesale Prices on application. Sample Box 1/6.

D. MCGLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.

T. SHERBORNE & CO. Surgical Appliance Manufacturers.

Manufacturers of the "Stowaway" Suspensory Bandages, Cotton or Silk, and over 100 other patterns. (Wholesale only.)

Phone No. SYDENHAM 517. Honor Oak Park, S.E. 23.

# PHOSFERINE.

## TRADE NOTICE.

JULY 31st, 1918:

At the request of a large number of Chemists throughout the Country we have decided, from the above date, to fix the retail prices of PHOSFERINE, and all our other Proprietary Medicines, at face value, viz.:

**1/3, 3/-, 5/- and 12/-**

The Wholesale Prices will be as follows:

<b>1/3 size</b>	<b>- - -</b>	<b>12/- per doz., net.</b>
3/-	"	30/-      "
5/-	"	48/6      "
12/-	"	114/-      "

Against the conditional £5 worth of Phosferine being taken, a bonus of 10/6 will be allowed for a Phosferine Window Display of not less than 14 days.

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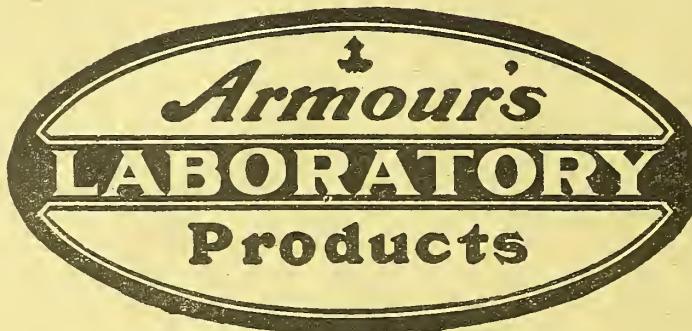
**ASHTON & PARSONS, Ltd., La Belle Sauvage, Ludgate Hill,  
LONDON, E.C. 4.**

**Armour's**  
**Glycerine Extract of**  
**Red Bone Marrow**

is a great reconstructive and will be found of value to patients convalescing from influenza and other troubles.

**Armour's**  
**Glyco-Lecithin**

A PLEASANTLY FLAVOURED Glycerinated Emulsion of Lecithin. Will strengthen and give tonic to nervous system.



**Armour's**  
**ELIXIR OF**  
**ENZYMES**

An agreeable and satisfactory adjuvant, and a splendid vehicle for exhibiting drugs and chemicals that nauseate when given in ordinary media.

**Armour's**  
**BEEF**  
**JUICE**

Rich in albuminoid principles; of great value in cases of extreme exhaustion.

**ARMOUR AND COMPANY**  
 QUEEN'S HOUSE, KINGSWAY,  
**LIMITED**



LONDON, W.C.2.

# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, MARCH 1, 1919.

## TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertion

### REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after first post on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

### PROVIDED THE MONEY IS TELEGRAPHED.

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C.4. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3817 Central (3 lines). Telegraphic Address: "Chemicus, Cannon, London." (Three words counted as two.)

## EARLIER CLOSING FOR PRESS.

WILL intending Advertisers please note that until further notice all Advertisements for THE CHEMIST AND DRUGGIST SUPPLEMENT must be in the Publisher's hands not later than

### FIRST POST THURSDAY MORNING,

to be available for the issue published in that particular week. Owing to restricted postal deliveries it is advisable to post all communications on the Tuesday preceding the date of issue. Advertisements received after the time indicated will be inserted in the following week's issue.

## CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, W.—Good-class Business, Dispensing and Retail, situate in centre of excellent residential locality; returns about £900; gross profit 50 per cent.; well-appointed shop; large residence, held on lease; to effect a speedy transfer no reasonable offer will be refused.

2.—LONDON, E.—Ready-money Business producing a net profit of £600 yearly; rent £58, including residence and stabling; lease if desired; no near opposition; price £800.

3.—LONDON, W.—General Retail with some Dispensing and considerable Photographic; no N.H.I.; returns show a steady increase, last year's turnover being between £1,350 and £1,400; gross profit 42½ per cent.; lock-up shop; no immediate opposition; good scope for increase, also Dentistry or Optics; terms £100, and valuation of stock and fixtures.

4.—DALSTON (near).—Ready-money Business; corner position in shopping thoroughfare; returns, under Assistant, £17 weekly; ample scope for extension; rent £60, sublet £85; held on lease; price £300.

5.—LONDON, S.E.—Ready-money Business; returns under Assistant, £13 weekly; net profit £250; price £175; good opening for a young man with small capital.

6.—LONDON, S.W.—Residential locality; old-established Business; held by vendor many years, now retiring; returns about £1,500 at good prices; well-fitted shop and comfortable residence; price to be agreed.

7.—HYDE PARK.—For immediate disposal, high-class Dispensing and Retail Business; returns upwards of £1,200; gross profit between £650 and £700; the business is known to us, and we can recommend it; valuation terms.

8.—KENT (within easy distance of town).—Good-class Dispensing and Retail Business, capitally situate in the centre of

town; returns upwards of £3,000; gross profit over £1,200; double-fronted shop with residence, held on lease; price to be agreed equitably.

9.—STAFFS.—Ready-money Retail with N.H.I. Dispensing; established many years; returns last year £2,456; full investigation invited; rent £30; offer wanted.

10.—NORTH OF ENGLAND.—Cash Retail Business with excellent sale for own proprietaries; returns average £2,500; net profit £700 to £800; stock and fixtures valued at £2,500; rent £50; price £2,500; death cause of sale.

11.—HOME COUNTY.—Modern Pharmacy, situate in principal street; returns exceed £1,000; full investigation permitted; the shop is nicely fitted and fully stocked; convenient residence; terms, valuation of stock and fixtures and £100 premium.

12.—WESTERN COUNTY.—For immediate disposal, good-class Family Retail and Dispensing Business with Photographic Branch; the concern has been established upwards of 60 years, and held by vendor 43, now retiring; returns last year £1,764; gross profit £541; roomy house; price about £1,000, or valuation terms would be considered.

13.—WESTERN COUNTY (Health Resort).—Good-class Business for disposal through death; returns between £1,200 and £1,300, with scope for extension; well-fitted shop and large residence; rent £55; for an immediate sale less than the value of stock and fixtures will be accepted.

14.—MIDLANDS.—Ready-money Business; established many years; returns show a steady increase, last year's turnover being £2,484; gross profit £827, net £649; corner shop, fairly well fitted and fully stocked; small residence; rent £40; no opposition; price £750, or valuation of stock and fixtures and £30 for goodwill.

## VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

# BRETT & CO.

*Transfer Agents & Valuers,*

73 LAUREL ROAD, LEICESTER.

£2,700 RETURNS. MIDLANDS.—General Light Retail, doing a well-established trade; in present hands over 20 years; now retiring; heavily stocked; purchase about £2,600.

£1,150 RETURNS. LONDON, S.E.—Light Retail, with appointment worth over £100 per annum; good position and house at low rental; price £675.

£1,300 RETURNS. LANC.—General profitable Retail; present hands many years; good Proprietaries; price £900; net profit £375.

£3,000 RETURNS OVER LAST YEAR. NORTH-WEST.—Good general light-class Retail with a few side lines; double-fronted shop; good house; low rent; will grant lease; price £1,000.

# BERDOE & FISH

**VALUERS & TRANSFER AGENTS**

35 Jewry Street, Fenchurch Street, E.C.3.

Telephone: 1809 CENTRAL.

**NO CHARGE TO PURCHASERS.**

1.—MIDLANDS.—Sound progressive Cash Retail in healthy and growing locality; returns over £2,100; net profit £750; handsome modern-fitted Pharmacy; fine position; well stocked; modern built premises; low rent; owner retiring; price £1,500; only cash buyers entertained.

2.—ESSEX COAST.—Select Retail Dispensing and Photographic Business in best position; returns last year £1,370; net profit £422; pre-war returns £1,800; good house and Pharmacy; price £100 end valuation; in all about £850; personally recommended.

3.—HOME COUNTY.—Good-class Retail and Dispensing Business; ill-health sole cause of sale; returns £1,060; net profit £428; good house and garden; modern well-stocked Pharmacy; price £750.

4.—WEST OF ENGLAND.—Good-class Retail and Dispensing; returns £2,000; practically all cash trade; good profits; large handsome Pharmacy, well stocked; good house, low rent; price £1,200, or small goodwill and valuation.

5.—SURREY (Suburb).—Good-class Retail and Dispensing Business in good position; returns £1,800; net profit nearly £450; books well kept; very convenient house; price about £900.

6.—MIDLANDS (Busy Industrial Town).—Genuine Cash Retail and Prescribing Business; returns £1,280 under Manager; net profit £350; plenty of scope; low rent; small house; fine modern-fitted shop, fully stocked; death cause of sale; price £500; strongly recommended.

7.—LONDON (Western Suburb).—Light Retail Dispensing and Photographic Business; returns over £1,350; net profit, about £500; large handsomely fitted shop, fully stocked; price £800, or £100 and valuation; trial can be had.

8.—LONDON (Essex Suburb).—Profitable light middle-class Cash Retail; practically unopposed; returns over £1,000; net profit £436; books properly kept; well fitted and fully stocked; price £650.

9.—LONDON, S.E.—Light Cash Retail, under Manager; returns £520; profits half; plenty of scope; lock-up shop; low rent; price £175.

## BUSINESSES WANTED.

We are in immediate want of sound concerns, returning up to £3,000, in town or country, especially South Coast, Midlands, and North; cash buyers waiting. Intending vendors are cordially invited to correspond. Terms sent on application. Established 1876.

## PARTNERSHIPS.

GENTLEMAN (young), engaged in Food-stuff Manufacture, Preserving, desires to make the acquaintance of a young gentleman, ambitious and similarly situated, with a view to Research and Analytical work. Apply 23/25, Office of this Paper.

PARTNERSHIP desired, Manufacturing, Wholesale, Midlands or North preferred, by experienced Chemist and Druggist; capital at command. Communicate in confidence to 28/22, Office of this Paper.

# PARSON C. BAKER

(Pharmaceutical Chemist).

**Trade Valuer & Transfer Agent.**

Recommended by The British Drug Houses, Ltd.; Messrs. Meggeson & Co.; Barclay & Sons, Ltd.

Valuer to the Association of Manufacturing Chemists.

4 Cyprus Road, Church End, N.3.

## BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less, beyond, prepaid.

BIRMINGHAM.—Light Retail; industrial district; corner shop; good position; five-roomed house attached; rent £1 per week inclusive; average weekly takings £40 (cash); scope for increase; small N.H.I. panel; price, valuation of stock and fixtures, about £250. Hunt, 317a Nechells Park Road, Birmingham.

GLAMORGANSHIRE.—Cash Business for sale in colliery district with population of about 9,000; main road; no opposition; returns over £1,000 under Manager; could be easily increased with personal attention; rental £40, with house attached; an excellent opportunity for young man; splendid opening for Photographic, Optics, and Dental work; immediate possession; N.H.I.; easily and cheaply worked; excellent prices. "Cymro" (26/26), Office of this Paper.

LONDON, S.E.—For disposal, on account of illness, small genuine Cash Business; medium-class neighbourhood; returns last year £710; Insurance scripts 3,000; rent £40; new lease, 14 years; no opposition; valuation £175; price £115. Apply "Y." (30/9), Office of this Paper.

LONDON, S.W.—Good-class Retail and Dispensing Business for sale, with growing Optical connection in residential neighbourhood; returns over £1,000, always increasing; shop splendidly fitted; rent £55; price £500 cash; good private house, separate entrance; electric light, bath; reference before further particulars are given. Apply 31/7, Office of this Paper.

NORTH OF ENGLAND.—Good middle-class Business, with growing Optical connection and Photographios; increasing turnover, 1918 between £1,700 and £1,800; excellent profits; substantially fitted; electric light, modern window; rent £46; rates about £12; full figures for some years sent; investigation invited. Good reason for disposal; price about £750. Apply 26/32, Office of this Paper.

NORTH WALES.—Old-established Business for disposal; through ill-health of proprietor. For full particulars apply to "W." (23/24), Office of this Paper.

NORTHUMBERLAND.—Old-established Agricultural Business in healthiest part of county; returns over £2,000; good profits; unopposed; freehold property, comprising large modern shop, ample warehouse accommodation, modern 12-roomed house, and large garden; price £2,500 for quick sale. Apply 24/38, Office of this Paper.

WEST YORKSHIRE.—Old-established Homoeopathic Dispensary for immediate disposal; first-class position; the only one of its kind in the city; owner retiring owing to age and health; will bear strictest investigation. Apply 28/5, Office of this Paper.

A SPLENDID Prescribing business for sale in a busy Manufacturing North-West Lancashire town; rent low; easily worked; well fitted and stocked; young couple could live on premises; used now as a lock-up shop; opening for Optics or Dentistry; takings over £1,000 annually; price £550 cash; no agents; principals only; all books open to investigation; good reason for disposal. Apply "Successful" (26/21), Office of this Paper.

BUSINESS for disposal; established 25 years; returns over £1,000; owner giving up owing to ill-health; double-fronted shop in excellent main road position; thoroughly genuine concern; open to every investigation; could be considerably increased by energetic man. Stow-Morris, Chemist, 16 Rushey Green, Catford, S.E. Write private address, "Killarney," 57 Bromley Road, Catford, S.E.

EXCELLENT opportunity for a young man, qualified or not, to acquire a Light Retail and Dispensing Business on very easy terms; modern premises; single man could let off more than half rent; part cash; rest easy instalments; first-class opening for energetic man. Apply 3/26, Office of this Paper.

**F**OR disposal, old-established Drng Business in small manufacturing town in Yorkshire; low rent; same hands over 20 years; owner retiring. Apply "Drugs," Bleasdale & Co., York.

**F**OR disposal, small up-to-date Pharmacy (owner recently deceased); good turnover, steadily progressing; busy thoroughfare. Apply Mrs. Hartley Hall, 167 Charnwood Street, Leicester.

**F**OR disposal, an old-established Business capable of being considerably increased, as, owing to proprietor's illness, it has been somewhat neglected; lock-up shop; price £250. Apply "N. W." c/o Evans Sons Lescher & Webb, Ltd., Liverpool.

**G**OOD Business for Sale in West Hartlepool doing light Retail trade in medium and working-class district, showing excellent results; present owner been in the business 30 years; reason of disposal old age; good house attached to the shop, property belonging to the owner; business and property to be sold for about £1,000 or at valuation. For particulars apply Rawson, "Hazelmead," Luton Road, Harpenden, Herts.

**H**ERBAL DRUG STORES: profitable business; same hands 17 years; no opposition; good shop; five-roomed house; rent low; capital stock and fittings, £250. Wickenden, Tunbridge Wells.

**O**LD-ESTABLISHED Retail, Prescribing, and Dispensing; also Sight-testing Optician's business in North of England. Apply 280/36, Office of this Paper.

**M**UST SELL.—Excellent neglected Business; handsome well-fitted shop in mahogany; well stocked; stock and fixtures worth £500; doing £17 weekly; could do £40 in a few months; price £300, or reasonable offer or valuation; trial if required; London, N. "Herogen" (26/27), Office of this Paper.

**W**ELL-KNOWN sound Business in progressive industrial Midland town; established 86 years; 300,000 original prescriptions; turnover £10,000 at good profits; one of the smartest (double-fronted) shops in the country; recently refitted all through; commanding position; heavy modern stock; sound investment, and opportunity seldom offered; only genuine cash buyers entertained; price £5,000, or valuation and reasonable goodwill. Apply 26/4, Office of this Paper.

**£350** WILL purchase and stock Pharmacy situated in high-class locality and good marketing district in West London; under a good man this should be worth double in twelve months; Dental Surgery attached; rent 13s. 6d. weekly; long lease arranged; unique opportunity to add Optics. Apply 27/20, Office of this Paper.

## BUSINESSES WANTED.

**A** sound Chemist's Business; turnover £800 to £2,000; one where owner wishes to retire and would give the usual introduction; banker's references; S.E. Coast preferred; replies in strict confidence, with full particulars. Apply 28/35, Office of this Paper.

**A**DVERTISER (at present unregistered) desires to buy Mixed business or Drug Store in or near London; with living accommodation preferred; spot cash or part, and remainder by instalments, plus interest. Full particulars (which will be kept strictly confidential) to "Statim" (27/23), Office of this Paper.

**A**DVERTISER is open to negotiate for sound business; turnover about £2,000, or would consider neglected business if position is good; Birmingham or Midlands preferred; would wait reasonable time; spot cash available. Replies in confidence, with particulars, 30/11, Office of this Paper.

**A**DVERTISER wishes to purchase small company manufacturing Wholesale or Retail. Reply to 30/4, Office of this Paper.

**C**HEMIST'S Business or Drug Stores wanted in London, with scope for increase; please state turnover. Apply 26/11, Office of this Paper.

**E**XPERIENCED man and a worker, with about £3,000 to invest, wants Partnership, or would purchase small Wholesale or Manufacturing. Apply 16/20, Office of this Paper.

**G**OOD-CLASS Cash Retail, £3,000-£5,000 turnover; suitable for partnership; one where owner wishes to retire and would give good introduction preferred; £1,500 cash ready; northern town preferred, but good country business not objected to; scope for Optics and Photographic trade. Apply 267/11, Office of this Paper.

**L**ISHT Retail; preferably near coast or in nice suburb, but not essential; any size business if scope to do upwards of £1,000 in energetic hands; must have decent house attached; could take over any time; cash ready. To save time please give full particulars of business, living accommodation, and neighbourhood. Apply 28/15, Office of this Paper.

**O**RDIINARY Retail Prescribing Business; small town or village; house with garden preferred; prepared to buy at once, or would manage branch with view to purchase or partnership; please send particulars as fully as possible; banker's reference. Apply "Ginger" (29/23), Office of this Paper.

**S**OUND Chemist's Business wanted in or near Manchester, returning at least £1,000 per annum. Please send full particulars in confidence, to 29/30, Office of this Paper.

**W**ANTED, Drug Stores, N.W. or W. London or outskirts, with living accommodation and garden. Fullest particulars to 27/24, Office of this Paper.

**W**ANTED, a Cash Business; returns about £1,000; must have small convenient house attached; London suburb or country market town preferred; larger business on easy terms would be considered. Apply 27/14, Office of this Paper.

**W**ANTED, in Northern Counties, Country Business, with house attached; neglected business no objection if genuine. State particulars and price to Cornish, 2 Eden Place, Sunderland.

## AGENCIES.

### AGENCY—HOLLAND.

Well-introduced Agent, with thirty years' experience, solicits representations for Holland in Colonial produce, Chemicals and Drugs. First-class references.

Letters to be addressed to No. 583, Advert. Office, Ned. Kiosken-Maatschappij, Wijnhaven, 85 Rotterdam.

**A**USTRALIAN AGENCY.—Advertiser, having large connection and experience throughout Australia, and resident agent for important English Company, would be glad, before returning, to entertain proposals for an additional Agency, preferably a Proprietary line; exceptional knowledge of advertising and follow-up systems; stock held in all capitals. Reply to 67/28, Office of this Paper.

**B**ELGIAN Chemist of Antwerp desires sole Agency in Belgium for well-known English or American Patent Medicines, with depot; cash; references from two London firms. Address 275/30, Office of this Paper.

**C**ANADIAN Agency for Drug or Toilet specialty desired by Canadian officer now in London; wide experience; thorough knowledge of Canadian marketing conditions; excellent references. Allen, 15 Tudor Street, London, E.C. 4.

**C**ANADIAN REPRESENTATIVE.—Young man, son of a Chemist, returning to Canada in a few weeks, is desirous of obtaining a couple of good commissions for Proprietaries, Sundries, Surgical Instruments and appliances, travelling from Montreal to Vancouver; satisfactory references and ample security given for all business done. Apply "Canada," c/o Messrs. Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool.

**E**GYPT, SYRIA, AND PALESTINE.—London house, with offices in Cairo, sending principal from Cairo to Palestine, with the view of opening a permanent office, is open to entertain the sole representation for Drugs, Chemicals, Patents, Toilet preparations, Sundries, etc.; connected with largest buyers on the other side; best references. Write 12/12, Office of this Paper.

**H**OLLAND.—Advertiser, who has had over 15 years' experience in Wholesale Pharmacy, and has a sound connection among wholesalers and exporters of Drugs, Chemicals, and allied products in Holland, is open to take up a few Agencies for well-known British firms; highest trade and financial references. Address 250/48, Office of this Paper.

**I**TALY.—Manufacturer of Cream of Tartar and exporter thereof, and of Citric and Tartaric Acid to all countries, large importer of Chemicals, well introduced in the whole of Italy; would take up the matter of some good sole Agencies for Italy; best references and securities. Apply 57/40, Office of this Paper.

**P**ORTUGAL.—Well-established firm at Lisbon with very good connection among dealers in Chemicals and Drug products desires to represent first-class houses manufacturing Ink Powders, Chemical Colours, and Chemical Products generally, for all industries; successful results guaranteed; good references. Address 17/15, Office of this Paper.

**A**DVERTISER, established London and provincial connection, seeks additional Agency. Apply 24/14, Office of this Paper.

**A**DVERTISERS are open to place goods of provincial Manufacturers on London markets; thoroughly acquainted with Wholesale and leading retailers, including Stores; special facilities for placing goods in most advantageous channels; commission basis only. Apply 27/15, Office of this Paper.

**A**GENT (with West-End office) is open to accept sole London agency (or otherwise) for one or two well-known brands of Perfumery or Toilet goods on commission. Apply 27/39, Office of this Paper.

**A**GENTS calling on Chemists and Druggists required to offer useful novelty on a commission basis only. Write Box 789, 66 Ludgate Hill, E.C. 4.

**B.** G. JACK & CO., an established firm, are open to represent Manufacturers of Proprietaries and Pharmaceutical preparations in India, Burma, and Ceylon; references, the National Bank of India, Ltd., Bombay; head office, Victoria Building, Fort, Bombay.

**F**IRM of Paint Manufacturers, making several good lines for the spring cleaning trade, would like to hear from Travellers who desire to handle these goods on commission; see advertisement in this issue. Texalo Manufacturing Co., Trafalgar Square, Blackpool.

**T**O EXPORT HOUSES WANTING REPRESENTING IN PALESTINE.—English business man (at moment officer in British Army in Egypt, but expecting release), working with another, will undertake commissions as soon as terms can be arranged; benefit of eight years' pre-war business experience of country and Syria; valuable connection previously worked for Austrian company includes Jaffa, Jerusalem, and Haifa; first-class credentials; approved buyers only; also houses who will manufacture to requirements of country please register for inquiries. Write "Palestine," c/o Anderson's Advertising Agency, 14 King William Street, Strand, W.C. 2.

**W**ELL-KNOWN Representative, having a large and influential connection with Chemists in the Northern Counties, is open to consider a few first-class commissions. Full particulars to 23/14, Office of this Paper.

**W**HOLESALE firm, with twenty-four Travellers calling upon Chemists, Grocers, and Wine Merchants, is open to handle additional Agencies, competent to place new article on market; unsurpassable references. Apply Box B. B., c/o Wills, Ltd., 296-302 High Holborn, W.C. 1.

## FOR SALE.

**C**HLORIDE of Lime; solid 72-75 per cent., in two drums, 5½ cwt. each. What offers, spot London? Apply 27/18, Office of this Paper.

**F**ITTINGS FOR SMALL PHARMACY.—Two Counters, glass fronted; Dispensing Screen; Gledhill Till; two pairs good Scales; Perfume Case and Desk; about 200 feet Wood Shelving; Window Enclosure; Plate-glass Shelves and tapped Bronze Bars; bent Counter Case; Show Carboy and Runners; Gas Radiator, etc., etc.; valued last week by licensed valuer at £78; as premises are sold and immediate possession wanted. I will clear the lot to first buyer for £60 cash. Further details from Brierley, Chemist, Leyburn, Yorks.

**F**OR sale, 13½ oz. Santonin, 200 lb. Pot. Permang., 2 oz. Atrop. Sulph. Address 64/13, Office of this Paper.

**H**HIGH-CLASS Shop Fittings in mahogany of branch, 169 Lord Street, Southport, including 4 Wall Cases, 2 large Bevelled Mirrors, 91 Drawers, dove-tailed, backed glass knobs, and labels; Dispensing Screen, 7 ft. x 5 ft. x 6 in., with Counter, 4 Show Cases and Sponge Case, marble top; Piano Show Case, with glass top and drawers; other Show Cases, Clock, Bottles, Jars, etc., etc.; all in perfect condition as new. J. R. Cave, Ltd., 52 Nevill Street, Southport.

**T**ABLET Sugar-coating Machine; good make, and condition: mass mixer (blade preferred), capacity 56 lb.; grinder (power), capacity 56 lb. to 1 cwt. per hour. Apply 30/17, Office of this Paper.

**T**HREE Eureka Tablet Machines for power; in perfect condition. Apply 25/22, Office of this Paper.

**W**HAT OFFERS?—O'Brien's receipt-giving Cash Till, with coin exhibitor; very little used; quantity rolls of paper for same; also 6 lb. Rad. Anchuse. Churchyard, Harleston, Norfolk.

**14** WINCHESTERS Ext. Cascara Liq., B.P., at 3s. 3d. lb.; one W. of 5 lb., carriage paid, for 17s. cash with order. John Noble, Pharmacist, 17 Owen's Row, London, E.C. 1.

**1** OZ. VIALS, overstock of dark blue, about 40 gross, at 13s. 2d. per gross to clear. Inecto, Ltd., 15a North Audley Street, Oxford Street, W. 1.

## SITUATIONS OPEN.

### RETAIL.

**A**NCOCKS HOSPITAL, Manchester, require a Dispenser with the Minor qualification; Institutional experience preferred; lady or gentleman; salary £175 per annum. Apply to the Secretary, giving age, experience, qualifications, etc.

**B**OURNEMOUTH.—Wanted, a young gentleman as Junior for two or three months; outdoors. State age, experience, salary required, send photo if convenient, to Cumber, Chemist, Winton.

**B**OURNVILLE.—Assistant wanted, unqualified; outdoors. Apply, giving full particulars, to O. W. Evans, The Green, Bournville, Birmingham.

**B**RADFORD (NEAR).—Elderly qualified Assistant; easy hours; duties light; permanency. "L. M." (26/24), Office of this Paper.

**B**RIGHTON.—Reliable Assistant required for Pharmaceutical and Optical business. Particulars as to age, experience, references, and salary required (outdoors); to Black & Co., 132 and 133 Western Road, Hove.

**B**RIGHTON (outdoors).—J. Colby & Co., 101 Western Road, require a competent male Assistant well practised in Dispensing and Counter work. Applicants asked to apply by letter only, and state in first letter age, height, salary required, and where experience has been gained; also to enclose photo if possible.

**B**RISTOL.—Vacancy for qualified Assistant with old-established firm; good prospects for a suitable man; hours 9 to 8, one hour extra on Saturdays, close Wednesdays at 1, no Sunday duty. Apply by letter, stating age, experience, reference, and salary required, to 4 Salisbury Road, Redland, Bristol.

**B**RISTOL DISPENSARY.—Wanted, Assistant Dispenser to above Institution; must be fully qualified, and prepared to take appointment soon. Applications, stating salary required, together with testimonial, to be sent on or before March 12th to H. Merrett Stock, Secretary, Small Street Court, Bristol.

**C**ARDIFF.—Junior or Improver wanted. Apply, with two references and other particulars, Frank Edwards, 46 Cardiff Road, Llandaff.

**C**HESHIRE.—Qualified Assistant required immediately; must be gentlemanly and capable; good prospects offered to conscientious worker. Apply, enclosing photograph if possible, to 24/30, Office of this Paper.

**C**ITY.—Assistant required; comfortable position for energetic and capable gentleman with best references; short hours and no Sunday duties; qualified preferred. Apply J. E. Southon, 8 Leadenhall Street, E.C. 3.

**C**OLCHESTER.—Reliable Junior under qualified Assistant; suit demobilised man; Light Retail and Dispensing; easy hours. References, salary required, etc., to J. F. Marlar, Pharmacist, Colchester.

**D**ARLINGTON.—Assistant or Manager required; age about 35. Apply, with full particulars, to Waters, Chemist, Darlington.

**D**ONCASTER.—Required (immediately), a qualified Assistant (22-24) for a General Family and Dispensing business conducted on progressive lines. Apply, giving full particulars as to age, height, experience, salary required (outdoors), etc., to M. H. Stiles & Son, The Rexall Pharmacy, Doncaster.

**D**URHAM.—Reliable qualified Assistant as Manager for small middle-class Retail business, with N.H.I.; no holiday or Sunday duty; salary and recent references. Apply 27/2, Office of this Paper.

**E**ASTBOURNE.—Reliable unqualified Assistant required for good-class Dispensing and Retail; must be good Dispenser and Window-dresser; no N.H.I.; outdoors; good hours. Salary and recent references to Harmer, Pharmacist, Eastbourne.

**G**ILLINGHAM, KENT.—Young qualified Manager for Light Retail, Dispensing, and Photographic business; outdoors; February 10th or soon after; hours 9-8; close 1 o'clock Wednesday, no Sunday duty; one with good personality, progressive ideas, and first-class references essential. Apply, stating age, height, salary, etc., to C. E. Beveridge, 185 High Street, Gillingham, Kent.

**H**UDDERSFIELD.—Wanted, an unqualified Assistant for busy Store; good Counterman and Window-dresser; single preferred. Apply 19/7, Office of this Paper.

**I**LFFORD.—Wanted, unqualified Assistant; accustomed to quick Retail and N.H.I. Dispensing. Apply, with usual particulars, etc., to J. Patterson, 52 Ilford Lane.

L  
EIGH-ON-SEA.—Smart Junior at once; able to Dispense Particulars and salary (outdoors) to Hill, The Chemist, Leigh-on-Sea, Essex.

L  
ONDON, CENTRAL.—Junior Assistant for Branch; outdoors; no Sunday duty. Full particulars of age, experience, salary, etc., to Frizell & Co., 1 Cranbourne Street, Leicester Square, W.C. 2.

L  
ONDON, CITY.—Junior Assistant; smart Counterman; easy hours, 8.30-6.30, Saturdays 1.30. Cassie & Co., 49 Newgate Street, E.C.

L  
ONDON, S.E.—Wanted; an experienced Assistant (outdoors), permanency, in a good-class Family and Dispensing business (capable of taking charge); good references. Apply, stating full particulars, age, experience, and salary required, etc., to 30/1, Office of this Paper.

L  
ONDON, E.—Elderly qualified Chemist required for Dispensing and Light Counter work; state age and salary required; permanency, "T. S." (26/240), Office of this Paper.

L  
ONDON.—Lady, Minor, required (end of March) for Retail and Dispensing; state salary required. Apply 24/11, Office of this Paper.

L  
ONDON, N.—An Assistant wanted, requiring time to study or an easy berth. Apply 30/31, Office of this Paper.

L  
ONDON, S.W.—Assistant with good Dispensing experience required; state salary asked and particulars of experience. Amon, Chemist, 436 High Road, Streatham Common, S.W. 16.

L  
ONDON, S.W.—Competent Assistant; outdoors; Stock, Counter, and Dispensing. References and salary required to A. Owen, 260 Upper Tooting Road, S.W.

L  
ONDON, S.W.—J. B. Barnes & Son, 205 Knightsbridge, require a qualified Assistant; must be a quick and accurate Dispenser. Full particulars of age, experience, and salary required to W. Hill.

L  
ONDON, W.—Wanted, a fully qualified Dispenser, able to take charge of Dispensing Department in West End business; liberal terms to one competent to take complete control. Apply "X.Y.Z." (27/100), Office of this Paper.

L  
ONDON, W.—Required, a thoroughly capable and energetic Senior for permanency, outdoors; clever Counterman essential; liberal terms to the right man; qualification not essential provided steady and competent. W. V. Wright, 25 Broadway, Hammersmith.

L  
ONDON, W.—Wanted, capable Junior Assistant (male) with good Dispensing experience; outdoors; hours 8.30 a.m. to 7 p.m., two nights weekly at 9 p.m., Saturdays 1 p.m., Sunday duty (one in three) 10 a.m. to 1 p.m. and 6 p.m. to 8 p.m. Apply, stating experience and salary required, to J. G. Gould & Co., 23 North Audley Street.

L  
ONDON, W. 1.—Wanted (immediately), an experienced and capable Assistant. Apply personally, or by letter, to J. Munro & Co., 273 Regent Street.

L  
ONDON, W.—Assistant wanted for good-class Pharmacy; good Dispenser, with knowledge of Photography; hours 9 to 8, one hour alternate Sunday evenings. State age, salary, and other particulars to "H. R. S." (31/8), Office of this Paper.

L  
ONDON, W. & S.W.—Evenings; Assistant, qualified; good Counterman; one required near Putney Bridge each Thursday, 6 till 8, and alternate Sunday, 6 till 8 p.m.; also near Baker Street, each Thursday, 2 o'clock, or not later than 5 till 8; alternate Sunday 6 till 8 p.m. Goodall, 66 Lower Richmond Road, Putney.

L  
ONDON, W.C.—Unqualified Assistant for high-class Dispensing business. Apply, giving references and salary required, to P. Phillips, 170 Eastern Esplanade, Southend-on-Sea.

M  
ALVERN.—Assistant with Dispensing experience for good-class Business, not on panel. Please state full particulars, salary required (outdoors), etc., to A. Mander, Belle Vue Pharmacy, Malvern.

N  
ORTHAMPTON.—Wanted, gentlemanly Assistant; good Counterman and Prescriber; age about 28; single; also one about 23; outdoors. Apply, with full particulars, age, photo if possible, experience, and salary required, to L. North, Bridge Street, Northampton.

N  
ORTH WALES.—Manager (qualified) for Branch in thickly populated district near Wrexham; must speak Welsh; excellent berth, salary, commission, and share of profits; permanency. L. Rowland & Co., Chemists, Wrexham.

R  
HYL.—Unqualified Assistant as Junior (immediately); outdoors; short hours. State salary required and usual particulars to Ashfield, Chemist, Rhyl.

**ROYAL DEVON AND EXETER HOSPITAL, EXETER.**  
(200 Beds.)

WANTED, QUALIFIED DISPENSER, having experience in Photographic work.

Commencing salary £210 per annum, with mid-day meal.

Applications, stating age, experience, etc., together with copies of three recent testimonials, to be sent to the undersigned on or before MONDAY, 3rd March.

By Order of the Committee,

S. S. COLE, Secretary.

Dated 17th February, 1919.

SANDOWN, ISLE OF WIGHT.—Wanted, smart unqualified Assistant, with good Dispensing experience, for high-class Pharmacy; easy hours. State age, salary required (outdoors or indoors), etc., to Woollings, Chemist, Sandown, Isle of Wight.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTHEND-ON-SEA, healthiest town on the South Coast; two Assistants, outdoors, required, with good experience. Give full particulars first letter, or come for interview, Holloway, M.P.S., The Broadway.

SOUTHPORT.—Junior Assistant for good-class Retail and Dispensing business. J. Righton, Chemist, Lord Street, Southport.

STONE, STAFFS.—Wanted, qualified young lady or gentleman for Dispensing, etc. T. Saint, Pharmacist.

SURREY.—Wanted (at once), Assistant for light Retail and Dispensing. Apply, stating full particulars, salary required, Turner, Chemist, 22 Brigstock Road, Thornton Heath.

W  
ARWICKSHIRE.—Improver (immediately) in Mixed country business; opportunity of learning Seed trade; easy hours, no Sunday or holiday duty. Please state in first letter salary required (outdoors), age, experience, references, etc., to Perkins, Henley-in-Arden. Applications not answered in three days may be considered declined.

WEST END.—Wanted, a fully qualified Assistant for a first-class business; liberal terms and plenty of opportunities for advancement. Apply "X.Y.Z." (27/10), Office of this Paper.

WESTCLIFF-ON-SEA.—Unqualified Junior wanted for Dispensing and brisk Counter business; outdoors. Apply, stating salary and experience, to F. H. King, 178 Hamlet Court Road.

A GENTLEMAN with good Dispensing experience; outdoors. Apply W. F. Pasmore, 320 Regent Street, W. 1.

A JUNIOR or Improver required (at once) for a good-class country business; hours easy, no Sunday duty. Apply, stating salary required (in- or out-doors), experience, and usual particulars, to Hitchman & Son, Gold Street, Kettering.

A QUALIFIED Assistant, age about 30-35, outdoors, required (at once) for a good-class Retail and Dispensing business; hours easy, no Sunday duty. Please state full particulars as to salary, references, etc., to Hitchman & Son, Gold Street, Kettering.

A RELIABLE Assistant required; good wages and comfortable berth for one not afraid of work. Chipchase, Silver Street, Edmonton, E. 18.

A RELIABLE Assistant with Dispensing experience required (immediately). All particulars, to save time, to Harding, The Avenue, West Ealing, W. 13.

A RTISTIC Window-dresser for speciality; plenty of show matter, draping. Apply "Immediate," 211 King Street, Hammersmith.

A SSISTANT (unqualified) wanted at once for good-class country business; easy hours; two others kept. Apply, stating wages required, age, experience, etc., to T. Bellamy, Pharmaceutical Chemist, Chelmsford.

A SSISTANT wanted, unqualified, having good Dispensing and Counter experience; reliable and energetic; outdoors; permanency; good salary to the right man. Apply, giving usual particulars, 26/25, Office of this Paper.

A SSISTANT, qualified, about 30, accustomed to Manage, required for Devonshire; must possess undeniable references. Address full particulars of experience and salary required to 27/1, Office of this Paper.

**A**SSISTANT, 25, qualification not necessary; outdoors; hours reasonable; good-class Dispensing business; state salary and references, photo, or interview. W. A. Goodall, 275 Fulham Road, S.W. 10.

**A**SSISTANT required for good-class Dispensing business; indoors. Apply Bucks Pharmacy, 179 Bedford Street, Liverpool.

**A**SSISTANT (Minor) wanted (at once); references must bear strictest investigation; either sex. Please state salary, etc., or apply Brodrribb, 344 Mare Street, Hackney, E. 8.

**A**SSISTANT (unqualified) for a company shop, to help at Counter and Dispensing. Write with full particulars, reference, and salary required to W. Bell, 67 High Street, North Finchley, N. 12.

**A**SSISTANT wanted (at once), gentleman, unqualified, outdoors, for Retail and Dispensing business. State age, experience, salary required, Reed, Pharmaceutical Chemist, Lee, S.E. 13.

**A**SSISTANT wanted for good-class Dispensing business; one just finished apprenticeship preferred; facilities for study if required; near Birmingham. Full particulars and salary required to 29/17, Office of this Paper.

**A**SSISTANT (London, E.C.); lady or gentleman; duties principally Dispensing; very easy hours of business; half-day at 1 on Thursday, and no Sunday duty; berth would suit student, or one wishing to gain experience. Apply, with fullest particulars, to "Sodium" (29/19), Office of this Paper.

**A**SSISTANT wanted for South London; busy Pharmacy; young, energetic, and able to command a good salary. In reply please give usual particulars as to age, experience, references, salary, etc., to 30/35, Office of this Paper.

**A**SSISTANT wanted for a good-class Pharmacy; single demobilised man with good experience for preference, with knowledge of Photography and Optics or Dentistry; short hours; no Sunday duty. Send full particulars to H. S. Adams, Pharmacy, Pangbourne, Berks.

**A**SSISTANT for good-class Light country Retail and Dispensing business in Kent; hours 8 a.m. to 6 p.m., Saturdays 8 p.m., Wednesdays 1 p.m., little Sunday or evening duty; pretty and healthy district. Apply, with particulars as to age, salary, and experience, to "Phenacetin" (30/58), Office of this Paper.

**B**RANCH Manager (qualified) required for easily worked Pharmacy; comfortable berth; Store experience an advantage. State age, experience, salary required, and references, to Powell, 125 Upwell Street, Sheffield.

**C**APABLE Assistant, gentleman, wanted for Light Retail and Dispensing business, good Dispenser. Apply, stating age, height, experience, references, and salary required (outdoors). Young & Co., Chemists, New Barnet.

**C**APABLE Assistant required (at once); must be good Window-dresser, reliable, and energetic for good-class country business. State age, height, experience, and salary required (outdoors) to Oliver, Chemist, Mardstone.

**C**APABLE unqualified Assistant required, must be reliable and energetic, for good-class country Retail. State age, height, experience, and salary required (outdoors) to Lacey, Chemist, Abingdon.

**C**OMPETENT Assistant wanted, lady or gentleman, for good-class Retail and Dispensing. Apply W. Brown, 1 King's College Road, N.W. 3.

**C**URTIS & CO. have vacancy for qualified Dispenser; male. Apply W. J. Jameson, 48 Baker Street, Portman Square, W. 1.

**E**XPERIENCED Assistant wanted for good-class Family and Dispensing business (capable of taking charge); outdoors; permanency. Apply, stating full particulars, age, experience, salary required, Bolton & MacLachlan, Chemists, Epsom.

**F**IRST-CLASS Dispenser, also Second Counterwoman required for the West End; no Sunday or night duty. Apply Lewis & Burrows, Ltd., 146 Holborn Bars, E.C.

**J**UNIOR Assistant, outdoors, for preparing and putting up stock for Retail and to help in Warehouse. Apply, with full particulars and salary required, to Bing, Manufacturing Chemists, Canterbury.

**J**UNIOR Assistant required for good-class family business. Apply, giving full particulars, experience, salary, etc., to Boddy, 10 Victoria Parade, Norbury, S.W. 16.

**J**UNIOR or Improver (male) for good-class Dispensing business; short hours; indoors. State experience, references, height, and salary required in first letter (photo if possible), Williams & Smith, Horsham.

**J**UNIOR or Improver wanted, outdoors, for Light Retail and Dispensing; must be honest and thoroughly reliable. State age, references, and salary required to J. A. Nurse, Pharmaceutical Chemist, High Street, Lowestoft.

**J**UNIOR or Improver for Cash Retail and Dispensing; outdoors; hours 9 a.m. to 8 p.m., close Thursdays 1 p.m., re-open every third Thursday 6 to 8, alternate Sundays 6 to 8 p.m. Call or write, stating salary required, Honiatt, 35 Junction Road, Highgate, N. 19.

**J**UNIOR Assistant wanted (at once) for good-class business; easy hours; no Sunday duty. Please state full particulars, experience, references, and salary required (outdoors) to G. A. Johnson, Chemist, Stamford.

**J**UNIOR for first-class business; Counter experience. Apply, with full particulars, C. A. Maries, Pharmacist, Waterloo, Liverpool.

**J**UNIOR lady Shorthand Typist required by firm of Manufacturing Chemists; one with experience preferred. Reply, stating age, salary, and experience, to 27/16, Office of this Paper.

**L**ADY Pharmacist to manage branch Pharmacy in country town near Dukeries; comfortable compact shop; short hours; good salary to suitable woman. Usual particulars to E. J. Latnam, M.P.S., Shirebrook, near Mansfield.

**L**ADY Dispenser (Locum) wanted for Medical Practice in S.W. London district; mornings or afternoons. Apply 13/29, Office of this Paper.

**M**ANAGER required for brisk Mixed Cash Pharmacy; comfortable berth; nice hours; no Wednesday evening or Sunday duty; splendid living accommodation attached to shop; within easy reach of Manchester; good prospects for live Pharmacist; must be energetic and reliable, married, and with some knowledge of Optics and Photography preferred. Apply with full particulars, stating salary required, to "W. H." (26/22), Office of this Paper.

**M**ANAGER, qualified, wanted in three weeks' time for brisk country business at Witton, Essex; easy hours; good house attached; N.H.I. Apply, giving full particulars of wages required, age, experience, etc., to T. Bellamy, Pharmaceutical Chemist, Chelmsford.

**M**ARRIED qualified Assistant wanted for high-class Dispensing business, to live on premises; good house, with electric light and gas for cooking included; liberal salary to suitable man; interview essential. Write Windemer, 4 Royal Parade, Harrogate.

**M**ESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

**Q**UALIFIED (outdoors) for quick Counter trade and N.H.I. Dispensing; short hours, weekly half-holiday, no Sunday duty; state references and salary. Gill, Chemist-Optician, Radford Road, Nottingham.

**Q**UALIFIED Dispenser wanted; state experience, salary required, and references. W. H. Martindale, 10 New Cavendish Street, London, W.

**Q**UALIFIED Manager for good-class suburban branch business. Please give particulars as to age, experience, and salary expected, Matthews & Son, Chemists, 722 High Road, Leytonstone.

**Q**UALIFIED, either sex, for Lanes industrial town; full particulars, wages, etc.; letters unanswered three days declined. Apply "X. Y. Z." (25/19), Office of this Paper.

**Q**UALIFIED Manager required for good-class Dispensing and Retail business in S.W. district; age not over 45; good salary offered; first-class references essential. Apply to Buddles, 91 Charlwood Street, S.W.

**Q**UALIFIED Dispenser (Minor) wanted for London, S.E. district; assist at Counter; capable and accurate. Apply, stating references, salary, and full particulars to "Chemist," 77 High Street, Croydon.

**Q**UALIFIED Manager for branch; permanency, with short hours. State particulars and salary required to the Secretary, Brightside and Carbrook Co-operative Society, Ltd., Kirkbridge Road, Attercliffe, Sheffield, and endorse application "Chemist."

**Q**UALIFIED Manager and Junior Assistant required for good-class Dispensing business. Full particulars of age, experience, salary, and when disengaged, 15/40, Office of this Paper.

**Q**UALIFIED Junior Assistant wanted for Dispensing business. Apply, with full particulars to Davidson, 342 High Road, Brentsbury, N.W. 6.

**IFIED** Chemist required for Light Retail Dispensing and photographic business. Full particulars to H. Knight, 21 Road, Wimbledon.

**IFIED** Chemist required to manage progressive branch; W. district; must be smart Salesman; good progressive or right man. Reply 68/33, Office of this Paper.

**IFIED** Manager required (immediately) for good-class Dispensing and Retail business in Highbury, Islington; first-class essential, and good wages offered to satisfactory t. Apply Atkins, East Hill, S.W. 18.

**BLE** Assistant wanted, soon as possible; chiefly for inter in brisk-business; reasonable hours; comfortable odd salary to competent man; send full particulars, salary and when at liberty. Lester & Williamson, Chemists, Road, Coventry.

**C**, young, unqualified Dispenser for Chemist's business; st be quick, accurate, and altogether reliable; 51-hour comfortable berth; near London. Full particulars and required to 29/3, Office of this Paper.

**CAL INSTRUMENT BUSINESS.**—Competent man for shop; must know his work; good character indispensable, stating age, experience, and wages expected, L562, Nightingale, Advt. Offices, Liverpool.

**RSITY COLLEGE HOSPITAL**, Gower Street, W.C. 1.—istant Dispenser, holding Minor qualification (lady or n), required; salary £145 per annum; hours 9 to 5, 9 to 1; additional attendances on two evenings weekly and every third week on Saturday afternoon and for one Sunday. Apply to C. H. Hampshire, Pharmacist.

**ED**, qualified Assistant; young and active; outdoors; 7 hours; no Sunday duty. Apply, with full particulars, age, references, and salary required, to E. J. Kitson, F.

**ED**, Assistant; unqualified; a good all-round man with knowledge of Homoeopathy. Apply, with full particulars required, to Radford, Pharmacist, 14 Union Street, am.

**ED**, unqualified Chemist's Assistant (male or female) for dispensing and Counter work. Apply 19/3, Office of this

**ED** (at once), a capable Assistant. Apply, stating salary full particulars, to P. C. Baker, Chemist, 174 Victoria estminster.

**ED**, smart qualified Assistant; capable of taking charge; manufacturing town in West Riding; N.H.I. Dispensing; duty; weekly half-holiday; hours 9 a.m. to 8 p.m.; state full particulars in first letter, qualification, age, experience, salary required, to "X.Y.Z." (26/40), Office per.

**ED** (at once), quick and reliable Dispenser (Hall pre-d). Apply, stating age, experience, salary required enclosing photograph if convenient, Horniblow & Son, Worcester.

**ED**, capable Assistant (male), with good Dispensing Retail experience, for high-class Dispensing business. Persons for preference, to Quibell, The Station Pharbers Green, N.W. 4.

**ED** (immediately), fully qualified Dispenser; good wages; out; permanency. Apply Manager, Junior Army and Ss, Ltd., Union Street, Aldershot.

**ED**, a reliable capable Assistant to manage a well-established branch business under control of Head Manager; age 25 to 35; preferred married, and wanting to better apply 2/4, Office of this Paper.

**ED**, Improver or Junior for good-class country Retail shops. Please state age, reference, and salary required to A. P. Trimming, 5 Market Square, Alton, Hants.

**ED**, Junior Assistant, lady, three employed, good-class dispensing business; duties, Stock, Dispensing, and Counter; some experience in Chemist's business; usual particu- y, when disengaged; hours 8.30 to 8, Saturday 8.30 hours every third Sunday evening, early closing day. Well, 91 Hammersmith Road, West Kensington, W. 14.

**ED**, full- or part-time Assistant (outdoors) for good-class business. Please state usual particulars, salary required, 567 Finchley Road, London, N.W. 3.

**ANTED**, for all-round Chemist business, an Assistant (at once); one not afraid of work; state full particulars and salary required; no heavy trade. Apply Broad, Chemist, Gloucester.

**ANTED**, Loom, qualified, for three weeks, March 17th to April 5th inclusive, for Branch business near Derby; must be well recommended. Craven, 18 Bridgehouses, Sheffield.

**ANTED**, unqualified, energetic Assistant in small but busy Dispensing and Retail business, capable of taking charge; temporary or permanent; short hours, no Sunday duty; board and residence; state salary required. Wyatt, Broadway, Barnes, S.W.

**ANTED**, qualified Lady-Dispenser (outdoors) in country town; main line from London; simple bookkeeping and Minor Dressings. Apply, stating salary, age, and experience, to Dr. Briscoe, Chippenham, Wilts.

**ANTED**, qualified Manager or Assistant for London, S.W., suburb. Salary and particulars to 28/24, Office of this Paper.

**ANTED**, an experienced man, not necessarily qualified, to assist General Manager in a good Prescribing, specialty business; extractor preferred; good salary and progressive, a worker, a good all-round Counterman, one with brain and tact; permanent situation and eventual partnership with others in six shops. Apply Mr. Lord, Hulmes, Chemists, Parliament Street, Nottingham.

## WHOLESALE.

**L**ONDON Wholesalers require several hands for Laboratory. Apply, with full particulars of experience, to 68/48, Office of this Paper.

**N**EWCASTLE-ON-TYNE.—Smart Junior, principally for Wet Counter; an all-round knowledge of the trade required; an energetic young man with initiative would have quick advancement. Apply, stating age, experience, and salary required, 27/5, Office of this Paper.

**A**DVERTISER wishes to get into touch with someone thoroughly experienced in the manufacture of Beef Cubes; extremely liberal terms offered. Write, giving full particulars of experience, to 14/20, Office of this Paper.

**A**DVERTISING.—Young man with knowledge of Medical trade required for preparing display advertisements for London wholesale firm. Particulars of experience, salary, with specimens of work, to "Beta," c/o Dixon's, 195 Oxford Street, W.

**F**OREWOMAN required to superintend staff of girls in packing room; must have good experience, and ability to control. Apply, with full particulars and salary required, to "W. B." (68/74), Office of this Paper.

**L**ABORATORY (LONDON).—Great prospects for energetic man with experience of Manufacturing B.P.'s Galenicals, etc.; qualified or unqualified. Apply 64/9, Office of this Paper.

**L**ABORATORY hand required; one used to manufacture Galenicals; good prospects. State full experience and wages required, 224/47, Office of this Paper.

**P**ACKER.—An experienced Packer required by Willows & Co., Ltd., 40 Aldersgate Street, E.C.

**P**ILL-MAKER wanted by London Wholesale Druggists. State age, wages, and experience to 68/480, Office of this Paper.

**R**EPRESENTATIVE wanted for South Coast, to represent well-known brand of British Eau de Cologne as side line. Write fullest particulars, which will be treated strictly confidentially, to 58/71, Office of this Paper.

**T**RAVELLER wanted by an old-established Drug House of repute; only those of gentlemanly appearance and unimpeachable character considered. Apply, stating full particulars regarding age, qualifications, and salary required, to 69/37, Office of this Paper.

**T**RAVELLERS wanted to represent old-established firm of Druggists' Sundries; would entertain offers to carry as a side line, but prefer entire service; knowledge of line not essential. Apply by letter to 32/11, Office of this Paper.

**UNQUALIFIED** or qualified man, with good knowledge of European languages, required in translation department of London Wholesalers. Send full particulars, including salary required, to 67/72, Office of this Paper.

**WANTED** (at once), smart, reliable Manufacturing Chemist; experienced in the making of Food Products supplied to Grocery and Confectionery trade; also Pharmaceutical preparations; liberal terms, with interest on results, to suitable applicant. Write, giving age, experience, and salary required, to 23/20, Office of this Paper.

**WANTED** (immediately) for Scotland, experienced Traveller, good connection, Wholesale and Retail, for packed goods, Toilet preparations, etc. Apply 60/1, Office of this Paper.

**WANTED**, Youth as Porter; preference to one who has had some experience in Druggists' Sundries or Patent Medicine Warehouse. Apply the Manager, Heppells, 78 Strand.

**WANTED** (at once), experienced Representative for Lancashire and district; must be personally acquainted with buyers of packed goods and Wholesale houses in cheaper lines; good commission and expenses for first-class man. Apply 272/19, Office of this Paper.

**WANTED**, good Traveller on commission for Manchester, Stockport, Crewe, and intermediate towns; one already covering this ground and calling on all Chemists. Whitaker & Co., Colour Works, Kendal (Luton Hat Dyes, etc.).

**WANTED**, for works of old-established firm of Manufacturing Chemists and Druggists a Pharmacist or Pharmaceutical Chemist for a confidential position; must have had experience in manufacturing proprietary lines and specialties; liberal salary and permanency to a suitable man; only applications with first-class references and experience considered; knowledge of oils, gums, and fats desirable. Reply, with copies (only) of testimonials, to "X.Y.Z." c/o Clarke, Son & Platt, Ltd., 317 High Holborn, London, W.C. 1.

## SITUATIONS OPEN.

### (Colonial, Indian and Foreign.)

**CHINA AND STRAITS SETTLEMENTS.**—Senior and Junior Assistants wanted in two old-established first-class businesses; qualified; unmarried preferred; age 25-30; good experience indispensable; advancing salary and good prospects; free passage out and home; both appointments are in good climates and pleasant surroundings. Apply Dakin Brothers, Ltd., 82 Middlesex Street, E.

**FEDERATED MALAY STATES.**—Qualified Assistant required; unmarried; three years' agreement; passage paid out and home; must have good health; salary first year £30, second year £32, third year £35 per month; short hours; preference given to one with knowledge of Photography and Optics, but not essential; advancement for good business man. Apply 69/41, Office of this Paper.

**JAPAN.**—Wanted (immediately) as First Assistant, single; qualified, in first-class business at Kobe; easy hours; liberal salary; passage out and home. Send for full particulars, with photo, to J. W. Franklin, c/o Bailey's Hotel, Gloucester Road, S.W. 7.

**SINGAPORE.**—Wanted (immediately); qualified Assistant, young, single, and sound; passage paid out and home; three years' engagement; monthly salary £250, £275, and £300 respectively (dollar equals two shillings and fourpence); knowledge of Optics preferred but not essential. Full particulars from J. W. Donie, 187 Gairbrae Street, Glasgow.

**STRAITS SETTLEMENTS.**—Qualified Assistant, young, and capable of managing Branch Dispensary; four years' agreement; passage paid out and home; salary first year, £30 per month, second and third years £32 per month, fourth year £35; splendid opportunity for an energetic man; a knowledge of Optical and Photographic work desirable. Apply: W. C. H., Burgoynes, Burbidges & Co., Ltd., East Ham, E. 6.

**FOREIGN** Traveller wanted for Far East and Colonies by high-class Soap and Perfumery Manufacturers; previous experience in this trade essential, and candidates with overseas connections preferred. Apply confidentially, with full particulars, to 67/31, Office of this Paper.

**QUALIFIED** Dispensing Chemist required as an Assistant; Upper Assam, India; single man preferred. Write, stating qualifications and experience, to "X. Y. Z." 17 St. Helen's Place, E.C. 3.

## SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

### [HOME.]

### RETAIL.

**A** WELL-EDUCATED gentleman, Medical, unqualified, 2 years' experience; desires post Dispenser, Secretary, or position of trust; able Prescriber, etc.; excellent testimonial, stating salary, 27/34, Office of this Paper.

**A** Assistant Dispenser (lady), unqualified; in or near Oxford preferred. Apply E. Finyon, c/o Mr. Radbourne, Lambourn, Berks.

**A** Branch Manager or otherwise; qualified; married; 18 years' experience; Midlands preferred. Apply to "K. H.," 19/12, Office of this Paper.

**A** Locum; London district; first-class experience and references. Apply 29/26, Office of this Paper.

**A** unqualified Assistant or Manager; 24; good all-round experience and references; hard worker; permanently married; disengaged. "Prescriber;" 50 Kingsland Road, N.E. 2; water, Worthing.

**A** SSISTANT (23), unqualified, seeks situation in Manchester part-time required for study; good knowledge of Photography, Dispensing, etc. Apply "H. S.," 15 Church Street, Chorlton-on-Medlock, Lancs.

**A** SSISTANT (26); demobilised; unqualified; N.H.I. Dispenser and Counter; eight years' experience; North of England, London. State salary offered, "J. E.," 380 Stanhope Place, South Shields.

**A** SSISTANT; well educated; efficient Dispensing, Prescriber; Photography; 14 years accustomed good class; best references; abstainer; Nottingham district preferred, but not exclusively. Kindly state hours and approximate salary, 27/34, Office of this Paper.

**A** SSISTANT, unqualified, 26, recently demobilised, seeks good-class Dispensing experience, smart Counterwoman; decent references; state salary offered. L. Lloyd, Alfrick, Worcester.

**A** SSISTANT, with good experience, desires post; capable Dispenser, Photography. Apply 25/32, Office of this Paper.

**A** SSISTANT, unqualified, 25, seven years' experience, dispensing; disengaged; kindly state salary. Apply 27/34, Office of this Paper.

**A** SSISTANT (24), unqualified, discharged, at liberty early in March, desires post in good-class Pharmacy; excellent references. Apply 10/20, Office of this Paper.

**A** SSISTANT; unqualified; 33; Dispensing and Counter engaged third week in March. "M.," 138 Maygrove, West Hampstead.

**A** SSISTANT, unqualified; 6½ years' high-class experience; one change; West London permanency preferred; state salary, hours, etc., "Demobilised," 30 Brackley Hill, Chiswick, W. 4.

**A** SSISTANT, 33, 18 years' first-class Dispensing and Graphic experience, requires berth; married; energetic, reliable worker; salary £5; permanency. "Alpha," 7 Brighton Hill, Brighton.

**A** SSISTANT; experienced; 38; Counter and Dispenser Northern Counties preferred. Apply 28/1, Office of this Paper.

**A** SSISTANT, 24; 10 years' good-class experience, Dispenser, Counter, and Photography; permanency; state salary, hours; North preferred. Apply 28/2, Office of this Paper.

**A** SSISTANT, qualified (25), desires post, Hospital or London district preferred. Apply 29/1, Office of this Paper.

**A** SSISTANT (Minor), 25, requires post; short hours class Dispensing experience; London or Continent preferred. Apply 29/100, Office of this Paper.

**BIRMINGHAM DISTRICT.**—Unqualified (42) Male Assistant; good-class Dispensing and Counter experience; eight years' successful management; keen buyer and organiser; branches; modern methods; permanency; first-class references. Liberty March 15th. "Energetic," 110 Hatters Road, Handsworth, Birmingham.

MURTON MIDDLETON, M.P.S., Pharmacists' Locum, 20 Merton Avenue, Chiswick, W. 4, now open to book engagements Easter and summer holidays; or as an emergency Assistant week, day, or hour.

CHEMIST, Manager, Locum (41); disengaged. Send full details, salary offered, etc., to 19/6, Office of this Paper.

CHEMIST'S Assistant, 30, unqualified, will be disengaged March 15; West End experience; Locum or permanency, etc., to Mr. M. G. Birch, 16 Melrose Gardens, Hammersmith, 6.

CLERICAL; evening work of any kind; terms moderate. Write "F. G." (279/20), Office of this Paper.

DENTAL.—Chemist with full Dental curriculum is prepared to give tuition in Dentistry; Mechanical Dentistry undertaken; £10 per week. Address 31/3, Office of this Paper.

ENGAGED.—Advertiser, age 31, married, requires good post as Managing Assistant or Manager; preferred live over miles; unqualified; good Salesman, Window-dresser, and builder; good references; used to quick Cash business. Please apply offered to "Rhei," 228 Bishopsgate, London, E.C. 2.

SPENSER, quick, accurate; abstainer, 40; splendid Hospital and Doctors' experience; good references; unqualified; war, ex-service man; free now. Cameron, Y.M.C.A. Hostel, Beresford Road, Hornsey Rise, London, N. 19.

SPENSER (Doctors') seeks permanent berth; experienced; unqualified. Retail, no Counter work. B., 7 Singlewell, Gravesend, Kent.

SPENSER.—Lady requires post immediately; Doctor or Chemist; good Prescriber; experienced in Photography. 31/2, Office of this Paper.

SPENSER: unqualified; eighteen years' all-round experience with Chemists and Doctors; qualified in America; typing, bookkeeping. "Indian Gentleman," 12 Torquay Street,ington, W. 2.

SPENSER—SECRETARY requires post, Southend; Hall qualification; shorthand, typewriting (100 and 40), bookkeeping; references; either whole or part time. Miss Yeomans, 167 Westcliff Avenue, Westcliff.

SPERLY, Louisa, disengaged; experienced Prescriber, etc.; abstainer; unregistered. "Prompt," 19 Chapel Street, edge.

PROVENED. Pharmacist (elderly) requires post as Manager or any other position; active and reliable, with London provincial experience in every department of the profession. details to "M.P.S." 71 Belmont Road, Bristol.

WARD: booking for coming season's Locum Managerships, receives preferential terms to emergency telegrams. "Ten-it," 23 Cuthbert's Terrace, Blackhill, Durham.

WICHMAN, 20 years old Assistant, good Dispenser, possessing slight knowledge of English, requires place (outdoors or doors); high references. Robert Helias, 40 Rue Pigalle, Paris, France.

WOR Assistant requires situation where can gain Dispensing experience; 6 ft.; age 20; served four years' apprenticeship; demobilised. State salary, 23/30, Office of this Paper.

WOR, unqualified, four years' experience, requires situation a good-class Business (London or Manchester preferred); and accurate in work; well recommended. "R. C. R.", Market Square, Leighton Buzzard.

WOR Dispenser desires post, London district, or Secretary-Dispenser to Doctor or Hospital; five years' experience; good references; disengaged. Miss Tucker, 61 St. Stephen's Road,

WOR Dispenser (Hall), with good experience, seeks position; Birmingham preferred. Apply "D. C." (19/11), Office of this Paper.

WOR Dispenser (Hall), experienced, requires post; Hospital or Doctor preferred. Apply to 19/2, Office of this Paper.

WOR Dispenser (Hall), experienced, desires post with Doctor; seaside town preferred. Apply 26/37, Office of this Paper.

WOR Dispenser (Hall) desires post; Hospital or Doctor; Liverpool or Southport district. Apply 23/21, Office of this Paper.

LADY, 36, as Counter woman; good appearance and address; 3½ years' references; N. or N.W. preferred. J., 12 Barnsbury Terrace, Barnsbury Square, London, N.

LADY Dispenser, Irish Apothecaries' Hall qualification, requires post as Under-Compounder in a big Hospital to gain experience; small salary; or with Doctor. Miss N. Cahill, Ballyconra House, Ballyragget, Co. Kilkenny.

LADY Dispenser and Radiographer disengaged immediately owing to demobilisation; experienced; excellent testimonials. 2 Selwyn Road, Upton Manor, E. 13.

LADY Dispenser (Hall), previous experience, requires post with Doctor or Institution near London, Kew district preferred; kindly state salary and hours. Apply Miss Durston, "Everleigh," Billet Field, Taunton.

LADY Dispenser (Hall) seeks situation with Chemist or Doctor; Cambridge or Essex. Apply 28/12, Office of this Paper.

LADY Dispenser or Assistant; disengaged; part-time; experienced, references; personal interview. Apply 28/28, Office of this Paper.

LOCUM (Newcastle-on-Tyne or district).—Major man, 29, married, well known, highest references, wide experience, including Optics, is open to accept engagements in N. England from April-September; early booking advisable; free dates on application. "Flon," 122 Rye Hill, Newcastle-on-Tyne.

LOCUM lady Dispenser disengaged; Hospital or Institution; Hall certificate. Apply 23/29, Office of this Paper.

LOCUM, qualified, age 49, active, 33 years' experience, desires engagements from March 21st. Apply 10/22, Office of this Paper.

LOCUM Tenens; disengaged March 1st; experienced. "L. T.," 94 Llewellyn Street, Pentre, Glam.

LOCUM or Branch Manager, qualified; thoroughly experienced; disengaged; good references. "Chemist," 47 Ogilby Street, Woolwich, S.E.

LOCUM; 55; experienced; town and country; active; disengaged; moderate terms. J. S., 139 Linthorpe Road, Middlesbrough.

LOCUM or temporary; qualified; 25; disengaged March 22nd; please state terms; first-class experience. J. Cohen, 83 Spencer Place, Leeds.

LOCUM; highest references; wide experience; London and provinces; well recommended. Brown, 74 West Hill, East Putney, S.W. 15.

LOCUM; qualified; disengaged; age 52; good experience and references. "F. W.," 2 Beresford Avenue, Hull.

LOCUM; qualified; London or provinces; disengaged. Gito, 4 Blenheim Road, N.W. 8.

LOCUM; qualified; 30; South Wales preferred; disengaged. Apply 30/28, Office of this Paper.

M.P.S. (29), energetic, trustworthy, seeks responsible position offering sound prospects; late Head Dispenser Military General Hospital; highest references; French spoken. Apply 25/24, Office of this Paper.

MANAGER or Senior, unqualified, disengaged; London and country experience in Dispensing, Prescribing, and Counter; tall, married, no family. "Chemist," 179 Arkwright Street, Nottingham.

MANAGER; good-class family; permanency; thoroughly capable and hard-working; gentlemanly and highly successful; highest references. Apply 15/8, Office of this Paper.

MANAGER, with view to interest or succession; energetic and highly successful; highest references. Apply 15/80, Office of this Paper.

MANAGER (elderly), active, desires charge of branch (March); N. or N.W. preferred; unfurnished house. Wright, 20 Glenloch Road, Hampstead, N.W. 3.

MANAGER (42), qualified, open to accept temporary or permanent engagement; first-class experience; also Optics and Dentistry. Elliott, 163 Camden Road, N.W. 1.

MANAGER, unqualified; good experience; highest references; London preferred or provinces. "Spero" (28/4), Office of this Paper.

**M**ANAGER, qualified, tall, married, desires permanency in really good-class business; thoroughly experienced and competent in every respect; first-class references furnished. Apply 29 9, Office of this Paper.

**M**ANAGER, qualified; 35; conscientious and reliable; slightly disabled. "Barrett," 29 25, Office of this Paper.

**M**ANAGER; qualified; 29; single; with view to succession; small town shop; 20,000 inhabitants preferred. Midlands or East; energetic and capable. Particulars in confidence to 29/29, Office of this Paper.

**M**ANAGER; qualified; 28; married, experienced, reliable; disengaged. Apply, with particulars, to 29 33, Office of this Paper.

**M**ANAGER; qualified; good all-round experience; active and obliging; best references. Apply 30/15, Office of this Paper.

**M**ANCHESTER or District—Manager or Assistant 26; qualified; desires change; present occupation four years; modern methods; energetic; good Window-dresser. Apply "Thymol" (29 7), Office of this Paper.

**M**ANAGERSHIP required by M.P.S.; good all-round experience in every branch, including Photography; excellent references. "M.P.S." 51 Salisbury Gardens, Hull.

**M**IDLANDS.—Qualified, middle-aged; town and country experience; excellent references. Apply 25 26, Office of this Paper.

**P**ART-TIME: Relief or Locum; qualified. Pharmacist, 8 Princess Road, West Ealing, W.

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**P**HARMACIST seeks post as Manager; tall; married; possesses energy and ideas; disengaged shortly; permanency; all-round experience. Apply "Holborn," 29 21, Office of this Paper.

**Q**UALIFIED, demobilised, tall, 27, requires post. Apply 22/14, Office of this Paper.

**Q**UALIFIED Manager; just demobilised; 38; married, no children; 5 ft. 7 in., good references. Apply to 19 120, Office of this Paper.

**Q**UALIFIED, 36; three years' West-End Dispensing experience; also Store experience; disengaged. H. S., May Cottage, Seant Road, Hambrook, Enfield, Hants.

**Q**UALIFIED, 35; Branch Manager; experienced; married, no children, wife capable of assisting at Retail if necessary; permanency; reside on premises. Apply "Demobilised," 2 Billericay Road, Wolverhampton.

**Q**UALIFIED Manager, disengaged; active, capable, and reliable; 20 years' experience London and provincial. Apply E. J. Davies, 50 Moesgrange Street, Gilfach, Bargoed.

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**Q**UALIFIED, aged 49, desires temporary engagements; short or long periods; disengaged March 6th. "S. S." 86 Greyhound Lane, Streatham.

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**Q**UALIFIED, 28, with high-class Dispensing experience, disengaged, requires inspection; full or part time. Apply 27/17, Office of this Paper.

**Q**UALIFIED, age 42, desires Locum or with view to pur Northern Counties. "Cornish," 2 Eden Place, Sande

**Q**UALIFIED, 20 years' best West-End experience, Managership or Partnership in good-class business; I preferred. Apply "X. L." (29 51), Office of this Paper.

**Q**UALIFIED, 35, experienced West-End and provincial, re temporary or permanent position, with or without to successor; disengaged shortly. Apply 31 4, Office, o Paper.

**S**ENIOR Assistant (36), unqualified, married, experience just demobilised, excellent references, good seeks permanency; Lancs or Yorks preferred. Apply 25/16, of this Paper.

**S**MART active Junior requires outdoor position in goo business with reasonable hours, to gain Dispensing exper abstainer; excellent references; disengaged March 24th. particulars to Williams, c/o Allen, Pharmacist, Barry, Glam

**S**OUDIER, Student: requires post as Assistant Dispens London; evenings only. Apply 24 16, Office of this Pa

**S**UPERINTENDENT with nominal duties; certificate qualified. Apply 27/35, Office of this Paper.

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